

Field Notes

Hawaiian Islands

1923

Q. Wetmore



Stopper

July 18	1
19	3
20	3
	7

dog  
ink  
cotton

2 cans beans

2 loaves bread.

1 lb butter

1/2 doz bananas

1 can peaches

1 can jelly  
molded.

3 cans beans

1 lb bacon

1 lb. butter

1/2 lb. frankfurters

2 loaves bread.

salt.

2 cans peaches

1/2 doz bananas

1 can peaches

1/4 peck spuds.

1 can jelly  
matches

pepper.

film 1.35

lunch 8.00

cotton 30

ink 15

groc. 3.02

flw

pan

knife fork spoon

plate

cup.

San Fran

- ✓ 10 x 12 tent with mosquito net & fly.
- ✓ Sleep for suitcase.
- ✓ Canvas wrap for collecting case.
- ✓ 22 ammu.
- ✓ 1500 1kg. shells.
- ✓ beets & carrots
- ✓ Army cots
- ✓ 3 rifles
- ✓ Canteens
- ✓ 3 lbs powdered alum.
- ✓ 1 qt formaldehyde ~~in qt cans~~
- ✓ 5 lbs naphthalene
- ✓ gaslit hot tank
- ✓ 30 lbs cornmeal.
- ✓ 2 qt coffee bisulphide in qt cans
- ✓ 15 yds mosquito netting 1 yd wide
- ✓ 1 duffle bag
- ✓ 10 bags of alfa
- ✓ 4 lbs absorbent cotton
- ✓ ~~1 pair leggings~~ #14
- ✓ 1 sleeveless coat.
- ✓ 2 trousers
- ✓ 2 shirts
- ✓ canvas shoes.
- ✓ Spray pump.
- ✓ starch

- ✓ + large skinning knife
- ✓ 3 dog Kodak film 6 exp.
- ✓ rubber bag
- ✓ Preserve egg blower  
motorcycle
- ✓ Search light
- ✓ extra tent pole
- ✓ Case for rifle (45 in)
- ✓ towel
- ✓ first aid outfit.
- ✓ Note book cover
- ✓ filler
- ✓ pen
- ✓ ~~tafel 8x16 with rings~~
- ✓ gas stove.

~~Buy~~ Producers Hay Co.

176 Portland

- ✓ 3-5 P.M. Monday.
- ✓ 38-55 shells & cleaner
- ✓ 22 cleaning rod.
- ✓ corrosive sublimate.
- ✓ surgeon's needles & silk 2 lbm-1 can
- ✓ Bichloride tablets
- ✓ Post office.
- ✓ pen & ink
- ✓ 2 Pkg needles

letter to Bailey  
Dobson  
Fabric  
Hansen

get ~~Dobson~~ Figgins to write to Dobson  
Guanacache  
mosquitos

Write Harold Cook  
Sinclairs  
Figgins

✓ Benzyl Benzoate  
✓ Benzyls  
Soluble Gelatin globules. 5 minims  
Sharpe & Dolson, Baltimore.

~~4~~ ~~shells~~

✓ emery cloth  
✓ 38/55 cleaner  
✓ shirt  
✓ key ring  
✓ soft soles.

✓ ~~Shipping~~  
20 bales ~~gauze~~  
1 box cornmeal, starch

Shipped to Honolulu

20 bales alfalfa

1 bx cornmeal, starch & socha.

2 bales (huts)

4 boxes (3 ammu. 1 misc.)

2 bales (tent poles)

2 ammu.

(shot gun shells in one case  
rifle shells in two cases)

with me.

3 charts

1 chest for Rens.

2 alc. tank

1 bed

2 expr. pkgs.

1 coll. case

- ✓ absorbent cotton
- ✓ canvas shoes.
- ✓ rubber bag
- ✓ hobnails
- ✓ pressure egg blown
- ✓ Benzylite
- ✓ key ring
- ✓ soft solder

himents  
Pemberton Paper.

dry  $\frac{3}{24}$   
2 shirts  
1 union suit  
1 pajamas.  
4 handkerchiefs  
2 wool sox  
7 soft collars  
2 hard collars.

Common King 9:30  
Mr. Judd 1:50

J. fisherm.

King 2726

C. H. Judd.

Secy Board of Agriculture

King.

Chart corrected Notice to Farmers 16, 1923.  
Buy in Hono.

3 gasoline

~~gasoline~~

~~gasoline~~

~~formaldehyde~~

~~alcohol~~

15 gds more go to nothing

~~Beaufort chick~~ ~~3 gds~~

~~box for spuds~~

7 barrels 3 (British)

~~refrigerator~~ 5 lbs

~~batteries~~

~~concreto~~

~~new paper & binding~~

~~Balladite~~

~~samples~~

~~gall~~ #10

cars from ~~Judd~~

2 ~~blackboards~~

~~soil~~

~~seeds~~

? ~~seeds~~

~~bandanas~~

20 lbs ~~canard~~

~~steel~~

~~Wool~~

~~string~~

~~tooth gear~~

~~soap~~

~~Hon. Govt. Dray~~

~~Bishop Malottawila~~

~~Hon. Govt. Dray~~

76 ~~Boratania~~

~~gum~~

~~gum~~

~~soap~~

~~tacks~~

Fullaway Expr. Co.

~~radio~~

~~marking pencils~~

2 ~~stoves~~

Daher Bod Mfg Co.

570 N. King or 87 N. Kekuhi

J. Hoff. & Co. 185 S. King.

Ship Chandlers  
E.O. Hall, Fort & King.

Hawaii Shoe Co. 4 boxes.

1031 Fort St.

M. O. Drury 4 boxes.

E. O. Hall, Co. to be sent.

2 Stoves  $\frac{1}{2}$  P.M.

4 extra wicks.

2 lanterns

2 globes.

3 Candles

1 Hammer

1 Saw

1 roll strap iron

~~strap iron~~ 6 lbs nails

May Co.

20 lbs common	1.20
8.5 lbs (40%) table salt.	1.20
6 PKgs. gloss starch	.85

Amur Factors

1 cs. Karo.

Coyne

1 bale excelsior. 144

Chest 5

Bed

Box-tents 2

Suitcase 2

Collecting case 1

bds. 1

strych. box 1

Bag 1

newspaper 2 vols.

canvas 1

lighthouse on bayam is down  
on lake bearing a point  
30 ft. north of northmost of two  
coconut trees well give location  
of light house.

✓ Wetmore      Cot & bedding  
✓ Reno      -      do  
✓ Dickey      -      do  
Ball  
Grant      Cot  
Cann  
Thaason  
Thompson      -  
Schlemmer      -  
Falloway  
Steward      -  
mess attendant

Dr. Wilson

Midway

Ar Wetmore — 1 tent  
Dickey — 1 tent

WSH — 3 tents

Laysan 4/8/23 ♀ 1:00 ♂  
Monachus schauinslandi ♂ 96.7 ♀ 95.6  
♂ 2135 T 175 H.F 365  
♀ 2365 T. 180 " 380

4/9/23 12:00 12:00 12:00  
Dionaea immutabilis ♀ ad. 101.7 ♂ ad. 101.8 ♂ ad. 101.0  
12:15  
♀ ad. 104.0

6771 ♀ ad

2 ♀ ad. "

3 "

4 ♀

5 ♂

6 ♂

2 ♀

Laygan 4/10/23  
bath 8:45

Anous ♂ ad. 103.0 ♀ ad. 102.0  
Small 9.00 Large

Pumerius ♀ 101.5 ♀ 105.0 10.15  
10:00

Jugato ♀ 104.5 flying ♂ 103.8 at rest  
♂ 106.3 flying 10:00

D. nigripes ♀ ad. 105.4

67 77 ♀ ad

6778 ♂ ad.

6781 ♀.

2

3 ♂ ad

4 ♀

5 ♀ test.

6 ♀

7 ♀

8 ♂ ad.

9 ♀ ad.

90 ♂ ad.

Laysan 4/11 9:00 9:45  
 Numerinus tah. ♂ 105.6 ♂ 104.6  
 Puffinus nativitatis ♀ 102.6 ♀ 102.5  
 Sterna lunata ♀ 105.0 ♀ 105.0 ♂ 105.2  
 D. immutabilis ♂ 102.6 ♂ 102.2 ♂ 104.2 ♂ 101.8

4 ♀ ad.  
 5 ♀ ad  
 46 ♂ ad  
 97 ♂ ad.  
 6798 Fregata ♂ ad.  
 9 Numerinus ♂  
 6800 "  
 1 ♂ ad.  
 2  
 3 ♂ ad.  
 4 ♀  
 5 ♀  
 6 "  
 7 ♂ ad.  
 8 ♂ "  
 9 ♂ ad.  
 10 "  
 11  
 12 ♂ ad.  
 13 ♂ ad.

14 ♂

Press Bull. 4/11

U.S.S. Tanager under Commander King has arrived at Laysan Island and members of the Scientific Staff party have been established in camp on shore. Investigations in different branches of science are well under way.

Midway

Kerr

Mallards come in winter very weak.

Geese, gray, marked recently, about head with black or white, pink feet & bill.

Web-footed bird, gray, with a "Knob" on the bill.

Mr. Gaspole in cable office in Honolulu has a photo of it. Photo taken near Seven mile beach.

Layson 4/12/23  
 Charadrius d. fulvus ♂ <sup>103.0</sup> 9:30  
 rabbit ♀ 4 embryos <sup>11:00 a.m.</sup>  
 Sterna fuscata ♂ 104.0 ♂ 104.0 ♂ 104.6 ♂ 103.4  
 ♀ <sup>11:00 a.m.</sup> 103.0  
 Arenaria ♂ 105.1 ♂ 105.2 ♂ 106.2

6822	♂.
3	"
4	"
5	"
6	♂ ad.
7	"
8	"
9	♀ ad.
30	♂ ad.
31	♂ ad
2	♀ ad

6817	♂
6816	♀
6815	♂ ad.

6823 D. nigripes Sch. ♀  
 34 ♀  
 5 ♀

Laysan 4/13/23 9:30  
Hawaiian Noddy ♂ ad. 102.2 ♂ ad. 103.6  
♂ ad. 103.6 ♂ ad. 103.6 at rest

*Sterna lunata* Ker Ker usual iron  
call. Kates Ka tick that  
may be imagined as with awake  
the common mangrove.  
*Anous stolidus* ♂ ad. 103.7 ♂ ad. 103.2  
♀ ad. 103.0 ♂ ad. 103.0 at rest

10:00

*Sterna lunata* ♀ ad. 107.6 ♂ ad. 106.5 ♂ ad. 107.6 ♂ ad. 107.6  
♀ ad. 108.4 ♂ ad. 106.4 ♂ ad. 106.6 ♂ ad. 105.6 ♂ ad. 105.8

Birds shot as they alighted after

~~6833 ♂ ad.~~  
~~6837 ♂ ad.~~

6849 ♂ ad

8 "

50 ♂ ad.

+ Bishop Mus.

1 "

2 ♂ ad.

3 ♀ ad.

4 ♂ ad

6840 ♂

x 1 ♀ ad

2 "

3 ♂ ad.

4 ♀ ad.

5 "

6 ♂ ad.

7 ♂ ad.

8 ♂ ad.

*D. imitabilis* ♂ ad

#528 Shut # IV  
North Pacific Ocean

Ocean eld. 1/18  
Monarchs ♂ 96.4 ♂ 96.4  
Large ♂ W. 2315 T. 170 H. F. 345  
Small L 2990 T 145 H. F. 330

Ocean Id 4/18

♂ juv L. 1115 T. 110 H. F. 220

♀ 2 yrs old L. 1770 T. 145 H. F. 295

Sula leucogaster ♂ 106.2 ♂ 105.8 ♀ 105.9 ♂ 106.2

Frigate bird ♂ zigzag in air  
fouch full pendant flowing  
fin wing uttering mellow paring  
rattle.

Sula leuc. nest on ground  
in open space. a slight mound  
of Scaevola stems with green  
leaves of Baccharis placed near  
at hand one egg in depression  
Bird watched about with squawks  
& spread wings

Sula leuc. ♂ 106.4 ♂ 105.0 ♂ 106.4

♀ 105.2 4:15

rat ♂ 99.0

Pterodroma hypoleuca ♂ 104.8 ♂ 105.4  
call a Snarling croak like that  
of leopard frog. Birds circled  
in two & three above bushes  
apparently mating.

B.M.

Uca ad 4/4/19  
Heteractites ♀ 4:45  
♂ 10:5:4  
♂ 10:5:4

6882 ~~♂~~ ♀ g.  
3 ~~♂~~ ♀  
4 ~~♂~~ ♂  
5 ♂ adj.  
6 ♂ ad  
7 "  
8 ♀ ad  
9 "  
90 ♀ ad.  
1 "  
2 ♀ g.  
3 "  
4 ♂ g.  
g.

18 ♀ ad.  
19 ♂ ad.  
20 ~~♂~~ ♂ ad.  
21 ♀ ad.

Ocean dd. 4/25/23

*P. rubricauda* ♀ ad. 11:00 12.00  
♂ ad. 05.6 ♂ ad. 12.4 (or mat.)

*S. fuscator* ♂ ad. 12:00  
♂ ad. 07.0 ♂ ad. 07.0

*Bulweria* ♂ 103.0  
large dark spot

6896 ♂

7 "

8 "

9 ♀

6900 ♂

1 ♀

2 ♀

3 ♂

4 ♂

5 ♂

6 ♂

7 ♂ ad.

8 ♀

9 "

10 ♂

11 "

16 ♀ ad.

17 ♂ ad.

18 ♀ ad.

hypopleura in flapping  
raises wings above  
center of body. while  
cavates fans  
wings at equal  
distance above +  
below medium line  
of body.

g. g. g. g. g.

Ocean dd.

1 box vols

2 box skeletons

Ocean dd. 4/21/23 8:15  
Sula cyanocephala. 104.4

4	♀ ad	g.
69.26	♀ ad.	
7	♀	
8	♀	
9	♂ ad	
30		
1	♀ ad	
2	"	
3	♂ ad	
4	"	
5	"	
6	"	
7	"	
8	"	
9	♂	
40	♂	g.
1	♂	g.
2	♀	g.
3	♂	g.
4	♀	g.
5	"	
6	"	
7	♂	
8	♀ ad	

Midway 4/22/23

Sooty Tern arr. Feb. 15, 1923 early  
than usual as ordinarily com. much  
begin leave Sept. & all go in Oct. leaving  
many fulphur ggs.  
gannets arrive Oct. leave Jan.

Midway 4/23 8:00

Telatryza ♂ 106.5 ♂ 106.8 ♂ 107.5  
♀ ♂ 108.4 ♂ 106.6 9:30 10:15

Pteranotaria ♀ ad 105.1 ♀ ad 104.1 ♀ ad 102.6 ♂ ad 104.8

9:00 9:00

Gygis ♂ 105.8 ♂ 105.8

Pteractis ♂ 103.0

P. cuneatus ♀ ♀

B. proctator ♀

S. leucogastra ♂

P. subrufa ♂

Midway Mr. Achard

White-tailed Tropic bird.

occurs rarely. Non-tropic.

Between 1906 & 1908 introduced on  
Eastern Island, & were then brought  
to Sand Island.

Two gulls.

Mallards & teal

Owl small

Small "hawk"

Midway 4/24/23

Canary <sup>♂ ad. 8:00</sup>  
♂ 108.0  
D. nigripes ♀ <sup>9:30</sup> 101.0 ♂ <sup>10:00</sup> 103.0

D. immutabilis ♂

Sterna fuscata ♀ ad

Arenaria ♂ <sup>11:00</sup>  
106.0

Rail ♂ ad. <sup>11:45</sup> 105.0 : <sup>12:00</sup> 105.8

2. Decapiles

50 ♀ ad  
6951 ♀ ad. " ♀  
2 ♂ " ♀  
3 " " ♀  
6 ♂ ad. " ♀

Pearl & Horner Proj 11/26

69 ♀ ad 6942 4 in.  
70 ad. 63 3 in.  
80 64 ad.  
69 ad 72 ad 9  
70 ad 3 ad  
69 ad. 4 ad 9  
5 "  
6 ad  
7 ad.  
8 "  
79 ad 9  
80 ad 9  
69 ad 9  
82 ad "

Pearl & Hermes 4/27

6983 middy, <sup>15</sup>° sand  
Megalopterus <sup>9:30</sup> 05.4 lady 06.4 eggs & yg  
Quaous S. pil. 20 pairs yg.  
Black-footed Albatross 800 pairs yg  
Laysan Albatross - 100 pairs, yg getting  
feathers

Pterodroma hypoleuca, 1 adult.  
Wedge-tailed Shearwater. 50 pairs  
3 reject bird not breeding  
Red-tailed Tropic bird 2 pairs

Ternstone

Tattler

Golden Plover

Curlew

About 200 yards long x 75 yards  
wide crest covered with grasses  
coral sand beach.

30 seals.

Seal Island. 4/27  
 D. nigripes ♂ ad. 1:30  
 D. nigripes ♂ ad. 01.8  
 O. tristrami ♂ juv. 2:00 ♀ juv. 2:30  
 ♂ juv. 2:30  
 80 pairs  
 Laysan Alb.  
 Tristram's petrel  
 Bonin dd. "  
 Wedge-Tailed Shearwater  
 Sooty Tern 3  
 Gray backed. 250 juv.  
 Rock dry  
 6993 ♀ juv.  
 4 "  
 5 ♂ juv.

6983 D. nigripes ♂ ad  
 4 P. rubrocapillus ♂ ad -g.  
 5. Megalopterus ♂ ad  
 6 " ♂ ad  
 7. Pterodroma hypoleuca ♂ ad  
 8. Sula leucogaster ♂ ad.  
 9 D. nigripes ♂ ad.  
 90 Frigata. ♀ ad.  
 1 ♂ juv.  
 2 ♀ "

Pa N. Bay. S.E. Sd. 4/28/22

8:45 9:00  
Gula cyano ~~spotted~~ 102.8 104.6

Monachus 1390 90 270 ♀  
1990 120 300

Lantau in turn from 10<sup>th</sup> on

Salt 200 lbs. 5-10 lbs. bags.

Cornmeal 150 "

Cotton 6 lbs.

~~camera~~ film 4 doz. box.

film for development

Glasses

Boxes 8 shoe

Cigars boxes 2 doz

Newspaper Hellman's lot

tooth paste 2 Kolynos  
birds

Oven - New Projection # 62

2 large size wash basins

1  
Lantern

Everbright

boxes 311

7006. J.

Layard dd. 5/2 9:30 9:30  
Bulweria ~~99.0~~ <sup>9:15</sup> <sup>9:30</sup> 97.8 <sup>9:30</sup> <sup>9:30</sup>  
in crevices <sup>7027</sup> <sup>7028</sup> <sup>7029</sup> <sup>7026</sup> ~~7026~~

Beach sand were much finer than  
at Pearl & Hermes where Island &  
lay 200-300 yds inside reef & were  
protected from surf.

## Decrease in <sup>of</sup> <sup>in</sup> albatrosses.

25 prs. eggs at blowhole.

*megalopterus* making nest from bits  
of grass + red algae.

~~Heteractites~~ 105.5 7024

Inugata ♂, 102.0 males with balloons  
fully extending swinging them sideways  
to rat them on breast of female who  
parts on opposite side of breast.

7011	♂ ad.	24	♂ ad
2	♀ ad.	5	♀ ad
3	♂	6	♂ ad.
4	♂	7	♀ ad
5	♂	8	♂ ad.
6	♂ ad.	1	♂ ad.
7	"	2	"
8	"		
9	♀ ad.		
20	"		
1	♂ ad.		
2	"		
3	♀ ad.		

Wantied: Bayan

<i>D. immutabilis</i>	20	10	<del>200</del>	yg.
<i>D. nigripes</i>	20	8	55Kil	yg. <del>#flock</del>
<i>P. assimilis</i>	20	5	35Kil.	
<i>P. cinnatus</i>	20	6	25Kil.	
<i>Pter. hypoleuca</i>		15		
<i>Bulweria</i>		20	10	
<i>O. Tristrami</i>			25	
<i>P. Saitoni</i>		15	10	125Kil.
<i>S. cyanopterus</i>		15	8	285Kil.
<i>S. praeator</i>		15	10	35Kil.
<i>Fregata</i>			15	10
<i>S. fuscata</i>		15	10	35Kil.
<i>S. lunata</i>		15		25Kil.
<i>Megalopterus</i>		10		25Kil.
<i>Anous</i>		10		25Kil.
<i>gygis</i>		12	6	123Kil.
<i>Leucophaea</i>		10	7	
<i>Rhinoptera</i>			6	

haysard May 3.

Phaeton  $\delta$  8:45 104.0 9:40 102.8 9:15 102.6  
7039 7040

Turtle, soncall on firm sand was same  
flapping motion as in water. skin shell  
plowed to a crawl.

Phaeton in flight, fat extended back  
so that black of distal part forms  
a black patch on either side of tail  
continuous with black tips of posterior  
flight feathers.

Bill a dull red. becoming orange  
on rami of mandible. a sooty  
black line from nostril to feathers.  
iris deep brown. tarsus & distal joint  
of toes <sup>with first toe</sup> with black  
rest of toes and  
webbs black. nail on hind toe black.  
outer side of <sup>inner</sup> toes bright nearly to  
the tips. of outer toe to end of second joint  
Bulweria  $\delta$  97.6 & 97.6. note a low, broken  
call, bow bow bow bow with a prehensile guttural  
inflection and a suggestion of a throat  
note. reminds me of tucu tucu.

Phaeton, upper mandible opens widely  
with rear of mouth closed. latter margin  
of chausses approach & fleshy tip of  
tongue slips behind fleshy but protruding upper

9:30

S. lunata ♀ 104.2 ♂ 104.6

34 min in 10875

D. magnipes, yg. teasing for food, not  
low silent whistles too tan, with the  
at bill of parent. Later when ready  
open bill quickly throwing tongue \*  
~~scoops~~ globs forward with yg  
with sides of mandibles near  
base scrapes the fluid thrown  
up by rapidly scissoring with  
bill.

At of adult whee whee whee  
whe-whe-whe-whe-whe-whe-whe  
that nearby sounds like squeaky pump  
at distance like shrill whistle of boy.

Albatross come to land to breed  
and when on land get breathing reaction  
accounting for dance, nibble at sides  
of bill in imitation of young teasing  
for food. ~~The press~~ 10:45 11:00 11:00 11:15  
D. magnipes ♂ ad. 100.6 ♂ ad. 103.7 ♂ ad. 103.0 ♂ ad. 102.6

7035 7036 7033 7034

nod by drawing K-e-a-r-z-z-z  
or Kroak-h-h.

was starting 8:45

Sula leucogaster 102.3 first yr. plumage  
lather from root.

7033 ♂ ad. Bailey  
4 ♂ ad. ~~ad.~~

5 ♂ ad. Bailey

6 ♂ ad.

7 ♀ ad.

8 ♀ yg.

9 ♂ ad.

40 ♂ ad. to Bishop Mus.

1 ♂ ad

2 "

3 "

4 ♀ ad.

5 ♂ ad.

6 ♂ ad.

7 ♀ ad.

8 ♂ ad.

7051 "

2 "

3 ♂ ad.

4 ♂ imm.

5 ♂ ad. to Bishop. Mus

6 ♂

7 ♀ imm.

8 ♀ imm.

9 ♀ imm.

60 ♂ imm.

1 ♂ imm.

2 ♀ yg.

3 ♂ ad. Bishop Mus.

5  
Laysan 5/4/23

*D. nigripes*, two females have excavated little nest cavities in sand, one female over half grown young, in which she rests, turning about and working sand with bill.

Another with no young had worked out a similar hollow and was turning about in it. Her mate sailed in and dropped bricks and the birds in alternation worked the bill in feathers of head of them then stalked solemnly about looking down beneath as though for an egg.

As I sat in the sand watching 4 Laysan come up curiously, then a pair of *nigripes* & finally the pair I was watching come clattering up.

In walking the neck is drawn in the head down & bill pointed forward with the first move with a stiffened awkward walk.  
Patched 104.3

Puffins cuneatus 8:15  
all 164.8

~~7051~~ Laysan 5/5/23  
8:15

Sula francator ♂ 103.4

Sterna fuscata female drops in & male  
struts before her with quick winging  
steps, wings hanging out from  
sides, neck extended and head  
turned sideways. ~~area~~ area right  
well marked and intruders driven  
out with open bill. In trading  
male stands on ♀ who croaks  
prostrate. Does not take neck well.

Phaeton <sup>7052</sup> ♂ 9:00 7073 <sup>9:00</sup>  
~~104.0~~ <sup>103.4</sup> 9:45 9:45 9:45 10:05  
D. magnirostris <sup>7050</sup> 100.6 101.6 101.8 101.1 100.9

Sula cyanoptera ♂ 105.6  
10:15

Teleosyza cantans ♂ <sup>10:30</sup> 108.0

Fregata ♂ 3 lbs.

D. nigripes 72.4 6 lbs. 2 oz.

" 7065 6 lbs.

" 7066 5 lbs 8 oz.

" 7067 5 lbs 4 oz.

" 7068 5 lbs 10 oz.

Sula cyanoptera 7069 4 lbs 4 oz.

7070 4 lbs 2 oz.

P. immutabilis C.E.R. 75 5 lbs 1 oz.

" 76 5 lbs 3 oz. 8 oz.

7064 Fad.

5      "      <sup>o</sup>  
6      Fad      Bailey      '      Bailey  
7      Fad.      Bailey  
8      Fad  
9      Fad.      Bishop Mrs '        
10     "  
1      Fad  
2      Fad  
3      "  
4      Fad.  
5      "  
6      Fad.  
7      Fad.  
8      "  
9      "

*Anas laysanensis*

♂ ad. Cinn. culmen for width  
of nostrils, nail and extreme base  
of lower edge of tarsus at base, dull  
black. a faint slatey gray band  
across tip of bill behind nail  
rest of upper mandible dull olive  
gray. Lower mandible same color,  
nail stone gray, web between  
nails dull orange brown mottled  
with blackish  
tarsus & toes orange, nails fuscous  
iris ~~yellow~~ brown.

♀ ad. mandible dull blackish, with  
a faint orange wash in sides. a  
faint slatey gray band at tip.  
Lower mandible dull orange brown  
nail, fuscous iris brown brown  
darker & toes dull orange, nails  
fuscous.

7123 ♂ ad.

4 " "  
5 ♀ ad.  
6 ♂ ad.  
7 ♀ ad.  
8 "  
9 ♂ ad.  
30 "

7119 ♂ ad.

20 "  
21 ♀ ad. B.M.  
22 ♀ ad.

Final Estimation		
<u>Sula cyanopus</u>	160	
" <u>leucogaster</u>	77	
" <u>leucogaster</u>	2	
<u>Frigata</u>	1377	
<u>Dionaea immutabilis</u>	3074 gg	
" <u>neogrisea</u>	4232 gg	
<u>Puffinus Crassirostris</u>	775 (5 eggs hatched)	
" <u>natalensis</u>	2000 est.	
<u>Bulweria bulweri</u>	750 est.	
<u>Puffinus</u>	80 est.	
<u>Terpsiphone</u>	100 est.	
<u>Laysan Island</u>	14	xx
<u>Hayman Bank</u>	2 + 8	
<u>Hibernation</u>	3 : 0	
<u>Miller's Island</u>	1 (?)	
<u>Sterna lunata</u>	900 estimate	
" <u>fusca</u>	12000 "	
<u>Megalopterus</u>	600 "	
<u>Anous</u>	500 "	
<u>Gygis</u>	80. count	

<i>Laysan</i>	5/9	
<i>Amous</i>	65 - 65 - 50	
<i>Stena hybrida</i>	20 - 30 - 100 - 100 - 100 - 150 - 30	
<i>M. hawaiiensis</i>	40 - 20 - 200	
<i>Erygis</i>	25 - 40	
<i>S. fuscata</i>	50	
<i>P. rubricaudus</i>	103.6	102.2
<i>Bulweria</i>	99.8	100.8 100.6

"laysan" - clatter bill, point bill up & groan, fence with bill, shake head from side to side rapidly, bow quickly & step about sideways, jerking wing. Caress in another.

Kwoa Kwoa Kee, Kwoa Kwoa Kee mouth open, looking down as though at egg. Then crouch to cover, beginning egg. *D. immutabilis* 100.5

<i>D. nigripes</i>	702.5	101.0	11:30
7131 ♀ ad			37 ♂ ad.
7132 ♂.			{ ♀ ad, B.M.
3 ♂ ad	<del>Bishop M.</del>		9 ♀ ad.
4 ♀ ad.	"		40 ♂ ad.
5 ♀ ad.			1 ♀ ad.
6 ♀ ad.			

1143 ♂ad. B.M.

4 ♂ad. "

5 ♂ad. "

6 ♂ad. "

7 ♂ad.

8 ♂ad.

9 "

50 "

1 ♂ad.

2 "

3 ♂ad.

4 ♂ad.

5 "

6 ♂ad.

7 ♂ad.

8 ♂ad.

9 ♂ad.

60 ♂ad.

1 ♀ad.

2 ♀ad.

3 ♂ad.

B.M.

B.M.

Laysan 5/11 5:15 a. 6:30  
Puffins Naturalis ♂ 100.3 ♀ 103.0

~~♂~~ Kah-ki Koo-oo-oo Koo Koo Kah  
varied & infected variously  
male extends neck & raises head,  
sometimes repeated by female. Low  
mating confined to rocks and  
rather rough preening of head and  
touching of bills. Alert & active  
puffins about when first rays of  
sun appeared some dropped in  
shade of rocks while others came  
out to sleep in warmth.

rise easily in flight from resting  
posture & resemble gulls on wing  
wing tipped with short quiet strokes  
& raised above body. calls - call on wing  
Albatross all at sea.

Woolly, stalk solemnly about  
head stiffly erect, males approach  
look down with open mouth &  
posture, then strike at one another

wedge-tail coo-oo-oo - aw-w  
expiration with first not inspiration  
with second.

7164 ~~♀ad.~~ ♀

5 ♀ad.

6 ♀ad.

7 ♀ad.

8 ♀ad.

9

70 ♀yg. 10  
1 ♂ ad. B.M.

2 ♀ad " "

3 " "

4 ♂ " "

5 " " "

6 ♂ " "

7 " " "

8 " " "

7182 ♂

3 "

*P. cuneatus* ♂ <sup>5/11</sup>  
Laysan <sup>7:00</sup>  
~~123.8~~

7188 ♀yg.

9 ♂yg.

90 ♀yg.

1 ♂yg.

Laysan <sup>5/12</sup>  
Monarchs ♀ ~~96.9~~ 96.9 7:30 P.M.  
in salt bath

7185 ♀ad.  
7186 ♀ad.  
7 "

~~7-9t ♀ ad.~~

92 ♂ ad.

93 "

94 ♀ ad.

95 ♂ ad.

6 ♀ ad.

7 ♀ ad.

8 ♂ ad.

Send Wm. S. Midway Id. via Honolulu.  
Mr. Fraser, Bryan's Key to Hawaii  
Birds.  
X 100 bands for albatrosses  
" Report on birds"  
X also report on Laysan Id.

Ship's flashlights

Wetmore

Naig.

Return specimen of Cypraea caerulea  
Serpentis from Ocean Island from to  
Thaumnum.

2 12x14 tents with fly and front extension, poles and pegs.

2 burner Kerosene stove

50 gals coal oil in 5gal cans.  
dishes

Army cot (for self.)

1 bale fine cedar in breakap.

5 lbs arsenic

2 lbs alum

50 lbs cornmeal.

canvas tarp 8x16 ft.

Formaldehyde  $\frac{1}{2}$  gal.

alcohol tanks 1-1 gal. on other larger.

alcohol for above

1 box for insects

15 yds mosquito netting. 1 yd wide

2 large 1 small duffle bag.

1 large duffle bag for insect.

Bisulphide

baled alfalfa

strychnine

2 10 gal milk cans for water

drying frame of canvas for spec.

1 small tarp 8x8

2 field charts with trays.

20 lbs absorbent cotton

10 lbs common cotton

150 - 16 ga. #12  
50 - 1", #2  
500 #8  
500 #6  
1000 avg  
2 avg 16 ga.  
box for spec. 15 d.  
1st aid outfit  
38-55

Lawrence  
rifle -  
case for rifle  
bin day  
hane  
Haworth  
Blackmar  
Martin  
Simmons

Laysan 5/7/23  
Bulweria 9:15 9:15  
10:3 99.1

Laysan Albatross tries to hover  
half-grown young who protests  
with vigorous snaps as parent  
tries with wings wobbly flat  
to climb aboard. Parent presses  
young, & after several unsuccessful  
attempts backs up against it  
& stands with neck thrown back  
and head on one side.

Sula cyanocephala ♀ 107.6

Anas ♂ 102.5 10:30  
108.0 ♂ 107.6

P. nativitatis ♂ 102.2 10:30  
♀ 101.2

Thalasseus ♂ 107.7 ♀ 107.7 11:00

7094 ♂	7103 ♂ ad.
5 ♀	4
6 ♂ ad.	5
7 "	6 ♂ ad.
8 ♀ ad.	7 "
9 "	8 ♀ ad.
7100 "	9 ♀ ad.
1 ♂ ad.	
2	

Lays Aug 5/6/23 9:00 9:15 9:15  
*D. magnus* 8:30 102.4 104.5 103.0 103.1  
 " 9:00

*Telopuga cantans* 107.8

*D. immutabilis* 9:30 106.2 taken while dancing.  
 9:30 103.0 103.1

<i>D. magnus</i>	7083	6 lbs.
	7082	5 lbs 10 oz.
"	7084	6 lbs. 2 oz.
<i>D. immutabilis</i>	7091	4 lbs. 8 oz.
	7092	4 lbs. 6 oz.
	7093	4 lbs. 10 oz.

7079

80 ♀

1 ♂ ad.

2 ♀ ad.

3 ♂ ad.

4 "

5 ♀ ad.

6

91 ♀ ad

92 "

93 ♂ ad.

*Anas laysanensis*

♂ 106.4 ♀ 106.8

♀ 109.2 ♀ 103.4

Purchases

Thru, ~~10~~  
Cotton  
Vosca.  
Kodak film  
long needle.  
? Arsenic  
? thread

Collecting gear in part on Friday  
by 4:00 P.M.

listerv

✓ Wetmore }  
✓ Schlesinger }  
✓ Edmondson }  
✓ Pollack  
~~Chastain~~  
Grant }  
✓ Anderson }  
✓ Bryan }

Cook tent  
store tent.

Grant Schofield 1247  
438 Ring 2

Gregory 6:30  
Prospect & Alapai

King. at office Thursday.

alcohol - Ball-

T.N.T. is on Burns?

✓ Thursday.

✓ Schlemmer 8:00 a.m. pay him for Jon  
Museum - Anderson 9:00 a.m.  
Costli - Bird bones.

Gregory.  
pay subsistence -

movie exhibition

Press notices -

who is Anderson to deal with.

copy of Thruw's annual.

King 1:30 P.m. with Johnston dd. map.  
discuss Wake dd. trip.

ii

Birds

1/2 bx. #8 chilled shot. PLANET

+ 15 water breakers

1/2 tents 5 mains Mettowee tent

✓ tent fly & canvas

✓ sack ammunition

✓ 5 sets tent poles

✓ tent pegs.

✓ tool box

✓ salt & a communal

✓ food supplies

✓ cooking gear

✓ 10 mess kits complete.

✓ shovel, pick & axe.

✓ sack with canteen, etc.

✓ 10 army cots 10 bedding, 10 mattresses

✓ 4 sets exselsior

✓ earthen lantern

add to food list

eggs, 1/2 can oranges

boxes for specimens

stools at S.O. Halls.

Personnel, Johnson cd.

Wetmore

Schlemmer

Anderson  
Bryan  
Grant  
Dhaamen  
Edmondson

Palmer

Mann

- ✓ longer out
- ✓ large alc. tank
- ✓ 1 doz. qt. glass jars
- ✓ botanical supplies
- ✓ dredge
- ✓ water glass
- ✓ formaldehyde 1 gal.
- ✓ base gal. jars
- ✓ botanical case
- ✓ 13 new glass jars
- ✓ 2 tops for cots (Thurston)

the following table

level. Surface covered with  
grass, Portulaca, Boerhaavia, & Tribulus.  
Soil scant, much coarse coral sand.  
Whale stranded 150 yards east

Whale dd.

<i>Sterna lunata</i>	4-10 prs. yg grow
" <i>fuscata</i>	125 " egg & yg
<i>Sula macroura</i>	1-1-1-1-1-10
" <i>cyanoptera</i>	8-3-60
<i>P. nigripennis</i>	8-10-70
<i>P. immutabilis</i>	1-1-1-1-20
<i>Anous</i>	200-100
<i>Leucophaea</i>	500 prs.
<i>Fregata</i>	6-50

dd 400 yds long x 125 yds wide  
10-12 feet high, considerable fine soil  
Chenopodiaceae, Portulaca, Tribulus, grass,  
Boerhaavia.

7582	89 ♀ ad	97 ♀ ad.
3 ♂ ad	90 ♀ ad.	98 ♂ ad
4 "	1 ♀ yg.	99 ♀ ad.
7585 "	2 "	7601 ♂ ad
6 ♀ ad	3 ♂ yg.	
7 "	4 "	
5 ♀	5 ♀	
	6 ♀ ad	

Trig dd 6/26  
 1000 - 1500 dead sooty on west  
 end all yg from half grown to  
 not quite able to fly. Dead in  
 piles in little hollows as though  
 swept ashore. May have come from  
 tern island which lies 2 miles  
 due west.

Sooty tern 2000 pairs

Noddy 150 "

haysan albatross 1 yg

Black footed .. 50 "

Blue-faced booby. 20 pairs

Island 225 yards long by 125 yards  
 wide circular. covered with grass,  
 Portulaca & Boerhaavia.

### Skate dd.

~~approximately~~

Sula cyanoptera 40 prs.

Bon. nigripes 30 yg

.. immutabilis 1 "

S. piscator 1 "

Sterna fuscata 800 prs.

.. fuscata 15 "

Anous 200 "

Island 200 yards long by  
 100 yds wide, 8-10 ft above sea

7543 ♂ ad.

44

5 ♀ yg.

6

7

8 ♀ ad.

9

50 ♀ yg.

1 ♂ ad.

2 "

3 ♀ yg.

4 "

5 "

6 ♂ yg.

7

8

9 ♀ ad.

60 ♂ ad.

65 ♂ ♀ ad.

66 ♂ ad.

68 ♂ ad.

7572 ♂

73 ♀ ad.

4 ♂ yg.

5 ♀ yg.

6 ♂ yg.

7 ♀ ad.

8 "

9 ♂ ad.

80 "

1 ♀ yg.

2 ♂ yg.

6/24

Gin Island,  
at curving Sandspit  $\frac{1}{3}$  mile long  
by 5 to 150 feet wide.

At widest point 10 feet above high water where there are a few scattered plants of *Portulaca*.

10 prs of *Sula cyanocephala* breed here.  
3 to 4 turtles seen, one with missing front flipper. Beach of coarse shell & coral, few shells.

Little Gin Island

*D. nigripes* 150 yrs

*Anous* 125 yrs.

*P. cinnamomeus* 10 yrs.

*S. cyanocephala* 8 yrs.

~~Island~~ Main part of dd. 300 yds long by 100 yds wide. 10 ft high at highest part. a slight depression near center 50 yds across with grass, *Portulaca* and another plant occupied by birds.

A spit 250 yards long at one side Noddy with eggs.

Planted on King do by Judd.

8 Coconut

50 *Hibiscus tiliaceus*

*Haematoxylon campechianum*  
(Logwood)

*Thespesia populnea* (Milo)

*Casuarina equisetifolia*

*Pritchardia pacifica*

(Fiji Fan Palm)

.. *gandichaundi*

(Hawaiian Holo Palm)

*hivistonia australis*

(Australian Fan Palm.)

*Calophyllum inophyllum*

(Hawaiian Kamani)

French Frigate Shoals 4/22/23  
 King dd. camp.  
 small spit - few nodules at most  
 no vegetation.  
 Small elongate spit 100 yds long, 10 yds  
 wide no vegetation 2 S. culicigaster  
 circular holes N. La Perouse dock.  
 100 yds in diameter 8-10 feet high  
 summit covered with grass & method  
 hub 4 spurs.  
 remains of old camp  
 90 yrs. D. Ingraves no adults  
 150 yrs. no adults.  
 30 yrs. S. cyano  
 25 yrs. P. lemnata.  
 7525 ♂ ad. 7732 ♀ yg.  
 26 ♀ ad. 3 "  
 27 ♀ 4 Egg  
 28 ♂ 5 ♂ ad.  
 29 ♀ ad. 6 "  
 30 .. 7 ♂ ad.  
 1 ♀ 8 ♀ m.  
 9 ♀ ad.  
 40 ♀ ad.  
 1 ♂ ad.

Nebeker dd. 6/19

7476 *S. jucundus* ♀ ad

77 "

78 " ♂ ad.

79 *S. cyanopterus* ♀ ad

80 ♂ ad.

1		7499 ♀ ad.
2	♂	7500 ♂ ad.
3	♀	1 ♂ ad.
4	"	2 ♂ ad.
5	♂	3 ♂ ad.
6	♀	4 ♂ ad.
7	♂	5 ♀ ad.
8	♀	6 ♀ ad.
9	♀	7 ♀ "
90	♂	8 ♀ "
1	♀	9 "
2	♀	10 ♂
3	"	1 "
4	♂	2 ♀ ad.
5	♂ ad.	3 ♂
6	♂ ad.	4 ♀
7	♀ ad.	5 "
8	♂ ad.	6 "
		7 ♂
		8 "
		9 "
		20 ♂

<i>D. immutabilis</i>	600 pairs
„ <i>migrans</i>	100 "
<i>P. cinnatus</i>	<del>3000</del> "
<del>1000</del>	<del>800</del> "
<i>Bulweria</i>	<del>1000</del>
<i>S. cyanocephalus</i>	500 "
.. <i>fuscator</i>	1800 "
.. <i>leucogastra</i>	50 "
<i>Phaeton</i>	500 "
<i>Fregata</i>	300 "
<i>Sterna fuscata</i>	6000 "
„ <i>fuscata</i>	15000 "
<i>Anous</i>	3000 "
<i>gyggis</i>	400 "
<i>Procelsterna</i>	400 "

Desiderata

✓ <i>Puffinus cuneatus</i>	alc.	2.
✓ <i>Sula cyanopus</i> .	Skul.	✗ alc.*
.. <i>fuscata</i>	Skul.	✗ .. 1
✓ " <i>leucogaster</i>	"	✗ .. *
✓ <i>Fregata</i>	"	✗ .. *
✓ <i>Sterna fuscata</i>	"	✗ .. *
.. <i>lunata</i>	"	✗ .. *
<i>Megalopterus</i>	"	✗ .. *
✓ <i>Anous s.</i>	"	✗ .. *

7462 ♀ ad  
3 ♂ ad  
4 ♀ ad  
5 "  
6 ♂ ad  
7 ♀ ad  
8 ♀ yg-  
9 ♂ yg  
70 ♀ ad  
1 ♂ ad  
2 ♀ yg-  
3 ♀ ad  
4 ♂ "  
5 ♂ ad

Nikua  
Procultima

6/15  
8:30  
106.2 106.0 107.2 106.0

8:45

7422 ♀ ad.

3  
4 "  
5 ♀ ad.  
6 ♂ imm.  
7 ♂ imm.  
8 ♀ imm.  
9 "  
30 ♂ imm.

1  
2 ♂ imm.  
3  
4 ♂ ad.  
5 ♀ ad.  
6 ♂ - ♂  
7  
8  
9  
40 ♂  
1  
2  
3  
4  
5  
6

7447 ♂ ad. inc.  
8  
9 ♂ ad

Procultima ♂ 5 kil:  
Phantom glauber ♀ ♀

<i>D. immutabilis</i>	2
.. <i>nigripes</i>	60 pairs
<i>P. cuneatus</i>	30,000
<i>P. natatorius</i>	20 pairs
<i>S. leucogastra</i>	50 pairs
<i>S. cyanoptera</i>	125 pairs
<i>S. fuscata</i>	3000 "
<i>Fregata</i>	600 pairs
<i>S. lunata</i>	5000 "
" <i>fuscata</i>	6000 "
<i>Onycha</i>	2000 "
<i>Gygis</i>	4000 "
<i>Procultima</i>	1000 "

Nihoa 10/14  
Tatami 8:15 107.4

7392 ♀ im.

3 ♂ ad.  
4 ♂ ad.  
5 ♂ im.  
6 ♂ ad.  
7 ♂ im.  
8 ♀ im.  
9 ♂ im.

740 0 "

1 ♂ ad.  
2 ♀ im.  
3 ♂ ad.  
4 ♂ im.  
5 "  
6 ♂ ad.  
7 ♂ ad.  
8 ♂ ad.  
9 ♂ ad.  
10 ♂ ad.  
11 ♂ ad.  
12 ♀ ad.  
13 ♂ ad.  
14 ♂ ad.

7415 ♂ ad.

6 ♀ ad.  
7 ♂ im.

Long. 71-72

7367 ♂ ad.  
8 ♂ im.  
9 ♀ im.  
70 ♂ im.  
1 ♂ ad.  
2 ♀ im.  
3 ♂ im.  
4 ♂ ad.  
5 ♂  
6 ♂ im.  
7 ♂ im.  
8 ♀ im.  
9 ♂ im.  
80 ♂ ad.  
1 ♀ im.  
2  
3 ♂ ad.  
4 ♀ "  
5  
6 ♂ ad  
7 "  
8 ♂ ad. on egg  
9 ♂ ad.  
90 ♀ ad.

Nikwa 6/12/23 7:00 a.m.  
Proctostema Saccharis 104.4 103.8

Teleopysa ultima 8:30 8:45  
107.3 ♀ 106.3

Tartu 10:00  
108.0

~~7323~~

7323 ♀ ad.

4	42	60 ♂ ad
5 ♀ yg.	3 ♂	1 "
6 ♀ im.	4 ♀	2 "
7 ♂ yg.	5 ♀	3 ♀
8 ♂ im.	6 ♂	4 ♂
9 ♂ yg. ♂ im.	7 ♀	5 ♂ ad
30 ♀ im.	8 ♂	6 ♀ ad.
1	9 ♀	
2 ♀ ad.	50 ♂ ad.	
3 "	1 ♂	
4 ♂ ad.	2 ♀	
5 ♀ im. B.M.	3 ♂	
6 ♂ im. "	4 ♀	
7 ♂ ad.	5 ♂ ad	
8	6 "	
9 ♀ yg.	7 ♂ ad.	
40 ♀ yg.	8 ♀ ad.	
1	9 ♂ ad.	

Nikoa 6/11/23 10:00 x 11:30  
Tachysurza ultima 8 107.6 2 107.6 0 108.5 107.5  
9:30 9:45 10:00 11:25 11:25  
Tatami 107.4 108.0 107.2 107.5  
05 ♀ ad.  
7306 ♂ ad. 19 ♀ ad  
7 " 20 "  
8 " 21 ♀ ad  
9 ♀ imm. 7322 ♂ ad.  
10 ♀ ad.  
11 ♂ imm.  
12 " "  
13 "  
14 "  
15 ♀ imm.  
16 "  
18 ♂ ad.  
17 ♂ imm.

Seal and Kauai

Article on seal put by  
C. H. Townsend data furnished  
by Atkinson.

Seal - Kila - word used by  
whalers in north.

elepani - Kai - sea elephant  
Both are borrowed words.

King  
buckets.

Mussey  
identify eggs.  
Look up skulls.  
Camp gear.

Kukeha "an animal that  
lives there". fish Atkinson.

*Dowidea immutabilis*

" *nigripes*.

*Pterodroma hypoleuca*

*Oceanodroma tristrami*

*Bulweria bulweri*

*Puffinus cuneatus*

" *nativitatis*

*Sula cyanoptera*

" *frisocephala*

" *leucogastra*

*Phaethon rubricauda*

*Fregata m. Sturnosa*

*Anas cyanoptera*

*Porzana palmeri*

*Sterna lunata*

" " *fuscata*.

*Anous stolidus pilatus*

*Megalopterus hawaiiensis*

*Gygis alba*

*Procelsterna cemicula*.

*Heteractis*.

*Crocethia alba*

*Phaethon lepturus*

*Pelicanus l. fulvo*

*Arenaria*

*Himantopus frithi*

*Serinus canarius*

*Tatane familiaris*

*Tespiza cantans*

Commander King  
Doctor  
camp equipment.

Boat leaves Kauai Tues.  
Fri. and Sat. for Honolulu

2 shovels 1 pick

Tantalus 6/5

Hawaiian avifauna older than the  
endemic avifauna of West Indies.

Traprock, W. E., Cruise of the Kawa  
g. P. Putnam's Sons, 1921. J

Trocholophus <sup>10:30</sup> 108.6 North side  
Tantalus crater. <sup>3:45</sup> 108.5

Mangos 3. stomach contents remains  
of many orthoptera.

Chasiempis gayi. 12:45  
107.5

Perissopterus tristis <sup>4:15</sup>  
109.6

7299 fad.

7300 fad.

1 fad.

2 "

✓ 3 shirts.      6/3  
 ✓ 1 pr pajamas  
 ✓ 4. O. V. P's  
 ✓ 1 Khaki pants  
 ✓ 7 soft collars  
 ✓ 1 hard collar  
 ✓ 1 silk hose  
 ✓ 4 1/2d Kerchiefs

Party.

Wetmore  
 Schlemmer  
 \* - Atkinson  
 \* - Judd.  
 \* - Anderson - Gregory  
 Cooke x H. S. Palmer  
 Bryan  
 Cannon  
 Isaacson  
 Grant  
J. D. Bangs  
Edmonson  
 \* A. C. Rice

✓ Received party

Chinese Crane. Killed in winter  
sent to Echamisland. 1903.

Oct. 26, 1915 for D. niger  
Jide E. Schleidner.

Gulls seen at times or happen  
in winter. One skin may have  
been sent to Echamisland.

~~Procelsternis~~ - Seen one or two  
~~at~~ ~~gull~~ in rocks on South end.

8 different ducks killed & sent  
to Echamisland.

2 geese killed in 1915  
parts identified by Bryan as  
"Canadian mountain geese".

Grise reported  
godwit -

That's from 12, 1904, stopped  
on way to Norway.

Boat that came to get bird  
collectors (from Japan) was  
wrecked.

See papers this date.

Babbits introduced about 1902-03  
brought 3 times, once a pair,  
only 8 or 9 all told.

~~date~~

June 9, 1906 on Sula leucogaster lattea.  
First eggs of big gray mutton bird.

Oct. 4, 1906. saw sandpiper and  
half Spumbill duck station.  
~~4 Oct 8 Kinnard.~~

Oct. 17, 1906. Schlemmer shot  
some Curlew & plovers

Oct. 19, 1906. one black goorie.

Nov. 8, 1906. first goorie eggs found.  
" 10 " three " "



J. L. Fleming  
Chukar partridge.

A small rat or mouse abundant  
on his island in 1893. Dr.  
Averdorn had trouble with them at night.  
Now on Laysan  
Laysan alb. are. Laysan on  
average Oct. 25. Black-footed alb.  
a few days later

Pacific Commercial Advertiser  
Honolulu. April 16, 1904.

April 11, Capt. Niblock of the  
Duguayois found 17 Jap deer in  
camp on island.

Coconuts from Jaluit.

Morton, T. Laysan a Bird  
Paradise, Pearson's Magazine  
May, 1901, pp. 672-677

Bryan, W. G., Laysan Island, A  
Visit to Hawaii's Bird Reservation,  
The Mid-Pacific Magazine, <sup>Vol. 2</sup> Oct., 1911,  
pp. 303-315.

Pabolo Valley 5/31/23  
Trockalopteron <sup>9:15</sup>  
104.6

Chasiempis 9:45  
108.0

Name of Bengale for Camm.  
*Spermatus acuti*

Poephila one red front one black front.  
7293 ♂ ad.

4 ♀ ad

5 ♂.

6? imm.

8 ♂

May 29, wilder-dinner - will call Blaisdell 5:00  
May 30 Ditchy Halalani 6:30  
May 31 Pololo Valley.

Friday, June 1

Dinner with Thaumon. Meet  
him at Blaisdell at 4:30 P.M.

Sat. June 2 See Ditchy off. ~~Gregory at noon~~ ~~and~~ <sup>noon</sup> Wilson 4:30

Sun June 3 1:30 Sun. Schleyer

Mon. June 4 ~~Gregory noon~~ <sup>evening</sup> Wilson Tantalus

Tues. " 5

Wed. .. 6 a.m. return Hono., dinner <sup>Blaisdell 5: p.</sup> ~~Conrad~~

8:00 a.m. Science Club.

#### Sea Stories.

Walker, Capt. J. D., Log of the  
KaaloKai.

Hawaiian Gazette Co, Ltd., 1909.

Thurs. 7.

Fri. 8 Diner 6:15 <sup>8</sup> Dwight, Donna  
Thurs 9:00 King 2:00

Evening Taylor & 4:30

3 Marine tents  
Wetmore's tent  
tent fly.  
white canvas  
Shovels, pick & axe.  
3 pails. (buckets.)  
2 navy lanterns & 2 others  
1 piece navy canvas  
1 piece canvas for salt.  
✓ aux shells  
✓ Shot gun shells.  
✓ Winchester repeater.  
✓ 4 boxes.  
3 pieces  $\frac{1}{4}$  inch tin 20 ft.  
12 cigar boxes.

*Taeniozygia castanea*.

7270 ♀ ad.

- 1 ♂ ad.
- 2 ♀ ad.
- 3 ♀ ad
- 4 ♂ ad
- 5 ♂ ad
- 6 ♂ ad.
- 7 ♀ ad.
- 8 ♂ ad.
- 9 ♀ ad
- 80 ♀ ad.
- 1 ♂ ad
- 2 ♀ ad.
- 3 ♂ ad
- 4 ♀ ad.
- 5 ♀ ad
- 6 ♂ ad.
- 7 ♀ ad.
- 8 ♀ ad.
- 9 ♂ ad.
- 90 ♂ ad.
- 1 ♂ ad.
- 2 ♂ ad.

Kalle Nama Hoa

hisiansky May 19  
7:00 a.m. 70°

*Sula pectoralis* 8:30  
102.6

*Phaethon tabuensis* 9:17  
105.7

52	♂
7254	♂
55	♂
56	♂
57	♀
58	
59	♂
60	♂
1	♀
2	
3	♂
4	♀ ad.
5	♂
6	♀ ad.
7	♀
8	♂

Lisiansky 5/17  
Temp. 7:00 72° noon 6 p.m.

Monachus ♂ 193 mm T. 120 H.F. - 340  
anus to penis 280 mm  
penis to umbilicus 190

7215 ♀ ad  
6 " "  
7 ♂ ad  
8 ♂ ad.  
9 "  
20 ♀ ad  
1 ♂ ad  
2 "  
3 ♂ ad  
4 "  
5 "  
6 ♀ ad.  
7227 ♀ juv.  
8 ♂ ad.  
9 ♂ ad.  
30 ♀ ad.  
1 ♀ ad.  
2 ♀ ad.  
3 ♂ ad.  
4 ♀ ad.

35 ♂  
7236 ♂ B.M.  
7 ♀  
8 ♀ ad.  
9 ♂ ad. 0  
45 ♂ ad.  
46 ♂ ad.  
7247 ♂ ad.  
8 "  
50 ♂ ad.

hisiansky 5/16 8:00 a.m.  
Monachus schauinslandi ♀ 95.8

S. Cereogaster ♀ quok quok quok

Fregata ♂ on nest Kahl ho  
high pitched drayg. 130

P. canadensis gray 101.4

Monachus ♀ 2000 mm.

T. 130

H.F. 370

120 ( 150 } 150 Teats  
150 ( 150 }

7207 ♀ ygj.  
08 ♀ ad.  
9 ♂  
10 ♀ ad.  
1 " n  
2 " n  
3 ♀ ad.

July 7:00 a.m. 72°  
12 noon 74°  
6 p.m. 73°

Monachus ♂ 7:45 P.M.  
Bulweria bulweri 98.1 8:30 P.M.  
104.2

Osteology of birds  
Names for tubercles & parts  
Systematic discussion of families

From Bridgway, Vol. IV, p. 328.

I. Exacapidium. - The anterior envelope (acrotarsium) extends entirely across the outer side of tarsus and around posterior side, sometimes meeting the starting point on posterior portion of inner side, the two edges usually separated by a narrow strip or groove of smooth non-sensillate membrane.

II. Endaspidian. - The above arrangement (Exacapidium) reversed, the acrotarsium extending to and around the tarsus from the inner side, the narrow planter space being thus external instead of internal.

III. Pycnacapidian. - The broad planter space on posterior side of tarsus broken up into numerous small irregular or roundish scutella or granules.

IV. Holaspidian. - The broad planter space occupied by a single series of broad more or less quadrat or rectangular scutella.

V. Taxacapidian. - The broad planter space occupied by two or rarely three series of smaller, quadrat, rectangular or hexagonal scutella.

San Francisco

Kellogg wants to know what it will cost to secure head of foetal whale 8 inches long for dissection of ear passages.  
1 pr. laces for leggings.  
1 pr. #14 leggings?

10 bats good bright alfalfa

Steam crushed oats  
from Paper -

coarse or fine shredded combed with combinations dry meal salt or stryck. mix to paste if windy.

Powdered calcium cyanide and knapsack blown for use as a fumigant in burrows. See Garlough for this.

Carrots & beets cut & spread for fresh vegetable bents

Chop alfalfa & compon slightly with dilute Haro water 1 oz stryck to 30 lbs of hay.

1 oz stryck. 20 gts. crushed oats for start

with dry meal not stychein  
considerably stronger

Thin starch ~~mustard~~ poison  
applied by spray gun  
to favorit plant

lath starch + Karo

Bailey & Willet put rails on  
Wisconsin, in March, 1913

Give Bailey letters to  
Dobrine, Fiebrig, Hauer

Achorn wants me to bring  
him "Something" from the  
Hawaiian Isds!

## Camp bread

2 tea cups flour  
salt, 1 tablespoon baking powder, mix.  
add two big table spoons lard, mix.  
thoroughly. add a little more flour  
on outside. do not mix too much.  
Melt lard in pan. mold biscuit.  
dip top in melted lard. bake.

~~show cards.~~  
# 1

*Sula cyanoptera* 98 <sup>adults</sup>  
*D. immutabilis* 2500 yg. in vines "

Sug.

				4232
				<u>423</u>
	3300			
	6600		2508	4655
		2	283	<u>2</u>
		13200	156	
		<u>3300</u>	135	9310
		500	3074	<u>2</u>
				18,620
222	98 =	161	31	13.
	45 -		<u>3</u>	
	17 -		100,000	
	160			

*S. cyanoptera* 1-3-4-1-8 <sup>(60)</sup>  
506 *Tregata* 5-23-140-22-2-30 877  
*frigata* 3700-404-68-60 <sup>500</sup>  
*immutabilis* 283-156-135 1377  
3700  
404

May 19

20 leave Hiarashi.

21. arr in Gardiner

22 Gardiner.

23 J.

24

4232

68

60

Honolulu  
Colonial Hotel  
Blairsdill  
Rock on / Ornamental tree Hawaii  
3-4 bushel for water.

Buy.  
Alum 1 lb.

7/13 7:00 76°

7608 ♂

7604 ♀

5 "

6 "

7 "

8 "

9 "

10 "

1 ♀ ~~22~~

2 "

3 ♂ ~~egg.~~

4 ♀ ad.

5 ♀ ad.

6 ♀ ad.

7 ♂ ad.

8 ♀ ad.

9 ♀

20 "

1 ♀

2 "

3 ♀

4 "

5 ♂

6 ♀

7 ♀ ad.

8 ♂ ad.

9 ♀ ~~22~~

7630 ♀ ad

1 "

2 ♀

3 ♀ ad.

4 ♀ ad.

5 ♂ ad.

6 ♀

7 ♀ ad.

8 ♀ ad.

9 ♀ ad.

40 ♂ ad.

7650 ♂ non breeding

1 ♀ ad.

2 ♀ ad.

3 "

4 ♀ "

58 ♂

59 ♀

61 ♀

63 ♀ ad

64 ♂

65 ♀ ad.

66 ♀ ad

67 ♂ ad.

68 ♂ yg

9 ♀ yg



tide 32 in  
temp. 7:00 76.

7720 ♀ ad

1 "

2 ♂ ad

3 ♀ ad.

~~4 ♂~~

5 ♂

6 "

✓ Desiderata

✓ <i>Sula fuscicollis</i>	alc. 1
<i>Sterna lunata</i>	" 2
<i>Megalopterus</i>	" 1
<i>Phaeton</i>	skel. 3
✓ <i>Bulweria</i>	skel. 2.

On board Whippoorwill

3 blankets  
3 # cots  
9 mattresses  
1 water breaker

rifle & shotgun.

Johnston d.d.

<i>D. immutabilis</i>	1
<i>P. curvatus</i>	3000 2500
<i>P. nativitatis</i>	300
<i>B. bulweri</i>	400
<i>S. fuscator</i>	250
<i>S. tigouros</i>	200
<i>S. leucogaster</i>	75
<i>S. lunata</i>	25
<i>S. fuscata</i>	3500
<i>S. alba</i>	40
<i>Genus</i>	1500
<i>Procellsterus</i>	3
<i>Fregata</i>	800
<i>S. haematon</i>	8

Lat.  $16^{\circ}$   $45^{\circ}$  N. } Number of terms.  
 Long.  $170^{\circ} 20'$  W. } 8

Material forwarded on Whippoorwill.

3 boxes marked for U. S. Dept. Agriculture  
Bureau of Biological Survey, to be  
shipped at once by express.

1 package exposed film from A. Wetmore  
Please take to Hawaii Photo Materials  
Co. Fort & Beretania. Instructions  
for development and printing are  
in this package.

2 barrels & 8 boxes marked for  
Bishop Museum.



Washington • Fanning,  
no sooty tern  
no shearwaters.  
no petrels.

Fanning

- Phaeton rubr. juv
- 3 boobies
- 3 night-bird
- Phaeton lepturus
- Parakeet
- Noddy
- Megalopterus
- Procellaria
- Jatava
- Cygis

Washington

- 3 boobies
- 3 night-bird
- Phaeton lepturus
- Parakeet
- Noddy
- Megalopterus
- Procellaria
- Jatava
- Cygis

Christmas  
2 shearwaters

7/21/23

P. Capitulum L. 174°  
Lat 178.10'

1. Wetmore  
1. Schlemmer  
3. 2 Pollock  
4. 2 Edmonson  
2. Palmer ship  
4. 4 Boyer  
2. Mama ship  
2. 3 Shedd  
2. 3 Grant  
4. Edmonson  
4. Chatham

Store tent

Cook tent

Wetting of egg by terns may  
oversee balance excessive  
evaporation by permitting absorption  
of moisture through allantois,  
as well as cool the egg after  
excessive heat.

G. Fornander  
Fornander - Polynesian Race  
3 vols.

~~gives~~ Trace coming of  
Polynesians to Pacific Islands.

Wakod. 7/28/23

*Hypolimneea* ~~106.5~~ ~~q: 106.2~~

8:30 104.6 104.2 104.5  
104.0 104.6

7728 ♂  
9 ♀  
30 ♀  
1 ♂ ad.  
2 ♀  
3 ♀ ad.  
4 ♀  
5 ♀ ad.  
6 ♂ ad.  
7 ♀  
8 ♂ ad  
9 ♂ ad.  
40 ♀ ad.  
42 ♂ ad.  
43 ..  
4 ♀ ad  
5 ..  
6 ♂ ad.  
7 ♀ ad.

Watke 7/29  
Rand 9:00 9:30  
143.9 104.0

7748 ♂  
9 ♂  
50 ♀  
1 ♂  
2 ♀ ad.  
3 ♀ ad.  
4 ♂ ad.  
5 ♂ ad  
6 ♂  
7 ♂  
8 ♂ ad.  
9 ♂  
60 ♂  
1 ♀ ad.  
3 ♂ ad

7771.

Rail ♂ 105.0 ♂ <sup>10:15</sup> 104.6 ♀ 104.4

7772 ♂ ad.

3 "

4 "

5 ♀ ad

6 "

7 ♂ ad

8 ♀ ad.

9 ♀

10 "

1 ♀ ad.

2 "

3 ♂ ad.

4 "

5 ♀ ad.

6 ♀ ad

7 ♂ ad.

8 ♀ ad

Walt 7/31      Wiets d.d.  
Megalopterus      104.0      10:30

7789 ♂ ad

10      "

1

2 ♀ ad.

3 ♀ ad.

4

5

6 ♀ ad.

7 ♂ ad.

8 ♂ ad.

9 ♀ ad

7800 ♀ ad

1 ♀

2 ♂ ad

Hawaii: Liaysan Island.

Alex Wetmore

Wash old.  $\frac{8}{1}$  (Wash ad)  
8:30  
Sphaeromus 105.2

7804 ♀ ad.

5 ♂ ad.

6 ♀ ad.

7 ♀

8 ♀ ad Black abd. fly

9 ♂ Araria ♂

10 ♂ ad.

1 ♀ ad

2 "

3 ♀ ad.

4 ♀ ad.

5 "

6 "

7 ♂ ad

8 ~~♀ ad. ♂ ad. Black abd. fly~~

9 ♀ ad.

20 ♂ ad.

1 "

2 ♀ ad

3 ♂ ad.

4 ♂ ad.

5 ♀ ad

6 ♀ ad.

7 "

8 ♂ ad.

9 ♀ ad.

7830 ♂ ad

1 "

2 ♀ ad

3 "

4 ♂ ad

5 "

42 ♂ ad

3

4 ♂ ad <sup>Carab</sup> ♂

5 ♂ ad.

6 ♂

7 ♂ ad.

8 ♀

7836 ♂ ad.

7 ♂ ad

8 ♀ ad.

9 "

40 ♂ ad.

4 "

7852 ♂ ad

3 "

4 ♂ ad

5 "

6 "

7 "

8 "

9 "

7860 ♂ ad

1 "

2 "

3 "

4 "

5 "

6 "

7 ♀ ad

8 ♂

9 "

7870

1 ♂ ad

2 ♀ ad

3 "

4 ♂ ad

7875 2a1

6

79 Ad.

8 ♀ yg

9 10

80

✓ 6 ad.

1960

3 Sat.

4 091.

4 5 6 7 8 9

6 Each.

7 11

7 11

Aug. 5, Sunday  
Mr. Wahr

Mr. Ware -

Aug. 6 1964

*Canasteres*

Aug. 7 1965

四

Aug 5 in wed.

四

Aug. 8 a.

South Texas

*Parus varius*  
released by Drury above  
Kalahana crater 2 miles  
inland from Lake 1000 ft alt.  
Seen nesting at Lake  
Seen at Koke in Wimpa canyon  
fish craters

Horobiner

King's Coll. Hawaiian Mus.

ret.

Davis on coral reef.

Cambridge  
hurts up Madagascar birds.



Wale Island Composed of  
three islets rising at highest  
point 25 feet above sea. Stop  
surface large blocks of coral  
cast up along beach. Land  
surface covered mainly with  
rounded coral lumps several  
inches in diameter with  
occasional tracts of fine soil stop  
Umbrella tree and two  
species of hardwoods form  
low dense forest over entire land  
stop And grass and herbage  
abundant stop. Uva, &  
etc and Mule tea abundant,  
many mullet in lagoon stop.  
Collection of fishes rich and  
varied indeed strangely shaped  
and colored Southern forms.  
Diving reef close inshore  
has abundant marine life stop.  
A land inhabiting hermit crab  
swarms among stones and the  
place of all other scavengers.  
Corals found in great variety  
with many sponges.

~~Counts~~ ~~Yester~~ Shells in  
great variety including a very  
large oyster. Insects in  
fair variety among them many  
flies and a sphinx moth.  
Boobies, terns and frigate birds  
Common: An apparently  
new land snail found ~~off~~  
among the thickets.

Aug. 14 Tues:

15 Wed. <sup>Arrd 8:30</sup> Ball dinner will call 6:30

16 Thurs. Edmundson dinner <sup>met E. at</sup> Tues.

17 Fri

5:00 at <sup>as in Rail</sup> Cannon <sup>as in Rail</sup> dinner, Cannon & Palmer, Tickets 100<sup>00</sup>

18 Sat.

Dinner Atkinson. Co. hotel 6:00

8:00 a.m.

19 Sun. Anderson. early train <sup>8:00 a.m.</sup> get off  
Waialua Station.

20 Mon.

3:00 P.M. Lopioia. Cartwright at hotel.

21 Tues. return 3:00 P.M.

22. Wed.

Moan Pearl Harbor 7:00. guide at gate 6:30-6:45.

23. Thurs.

Moan. wine. Club.

24. Fri

25. Sat. Sail

Commandant  
14 Naval Dist.  
U.S. Naval Operating Base  
Pearl Harbor, Honolulu

Commanding Officer  
U.S.S. "Tanager".

Chief, Bureau of Navigation,  
Naval Operations, Navy Dept.  
Copies to Commandant,  
Commander Mine Squadron, E.O.  
Tanager.

W. H. Merritt Merritt 704.S.S.  
R. A. Forsyth Tanager  
J. Horton. % Postmaster  
San Francisco

259

8.10

Palmyra

Xmas

Jarvis

Howland

Baker

Swain

Tutuila

Kawaiini Swamp

Picture

Heroy Topping BX 2356

Charles Knobright

child

(7)

Cornes

Anderson wants (2) Sent to Waukeha.

Dugham 4 } at dash.

Eric 2 }

✓ 8 skeletons at museum

✗ Kelley

✓ Cartwright

✓ Gregory

Wilder

letters

nails

✓ bank

crabs

✓ soap.

✓ photos at Cornes

✓ tails & hair

✓ 25 ft. 5 1/2 in.

Present -

*lawn* }  
Mrs. Holloway  
Scott  
Blanche  
Marvel  
Maud  
Charley  
Fay  
Margaret  
Julia  
Belle  
McAtee  
Kahrback

12:30

Honolulu

See Bunker or 3rd Pan-Pacific Union

Mar. cable co on visits to bay and  
visits to Mrs. Gregory & Mrs. Wilcox

See Kelly Fish Commission

... Probst re bds.?

Wire office date departure

cere naked behind nostrils  
bronze patch on wing -  
~~throat~~ orange - breast & back of  
wing yellowish. under wing coverts yellow  
elsewhere green.  
primaris blue.

Pacific Islands Pilot 2 vols.

#1500 general chart of Pacific Ocean.

W. D. Alexander  
Brief History of the Hawaiian People

Vice President  
Commercial Pacific Cath Co,  
253 Broadway  
N.Y.  
Permission to send man to  
Laysan. on Dickenson

8/20

~~Kawailoa~~ Swamp - gallinule  
Kawaihii Swamp  
English Sparrow  
Miaak  
Mongoose

8/21

Wainanalo plains  
8 glarks -

Baggage.

4 locker chests.

2 shipped via exp.

1 box

2 duffel bags

1 suitcase

1 collecting case

1 Bde cot in canvas

1 Bale tent

2 alcohol tanks

to galveston  
by express.

2 parcels (film & stones)

1 rifle

2 box crabs.

18

Hawaki - The Original Home  
of the Maori - .

S. Percy Smith .

4<sup>th</sup> edition, 1921. Whitcombe &  
Tombs Ltd ., Melbourne  
and London .

Bird-life on Laysan Island  
Photographs

Bedford Lemere & Co, 147 Strand  
London W.C.

Newton, A. E., The Amencies of  
Book-collecting and Kindred Subjects.

Atlantic Monthly Press, Boston

Univ. of Chgo Press

A Manual of style.

A Manual for writers.

H. H. Hume

Evolution and Christian  
Faith.

Princeton Univ. Press, 1823

Use 1 tea spoonful carbolic acid  
in qt. of water applied with  
brush to inside of relaxed skin to  
restore "life" to it. Leave over night  
before completing skin.

Log of the "Hope"  
Capt. J. S. Ingraham, 1790  
not published but in library, Supra-  
muntion's Nihon.

"" " " " " " "  
Moses, J. S. Voy. around the  
World, 1790-1800. Edition - unknown  
Nihon.

Varanasi, 1800

Chas. E. Goodspeed  
51a Park St.

Boston, Mass.  
Has Hawaiian books, mention  
Castaways name.

The Friend for notes by  
Mrs. H.

Supplies etc. from Honolulu  
for Wetmore

6 exposures

1. ~~X~~ 2 dozen rolls Kodak film #118
2. X Develop film - one print of each
3. X Ship 9 boxes specimens  
American Express collect
4. X 2 bottles gun oil (Rem oil preferred)
5. X 2 balls strong cotton twine
6. X 2 lbs powdered Alum
7. X 5 lbs naphthalene
8. X 8-10 boxes for specimens
9. X 1 small box, 1 gunny bag containing  
two turtle shells, 1 large turtle shell  
to be held at Bishop Museum for  
Wetmore
10. X Assemble two lots of bird stomachs  
& alcoholic birds returning large  
containers.
11. X 25 soft blue marking crayons  
(for number).

①  
12) bale excelsior (Can be purchased  
from Coyne in young Hotel Bldg.)

13) ~~4~~ lbs #6 d wire nails.

14. X 1 roll  $\frac{1}{2}$  inch box strapping -  
(from Halls)

15. X supply of newspapers. ~~for~~ <sup>avalot.</sup>

16) ~~X~~ tripod? flash powder. ~~sh~~

17) ~~Hot康乃馨~~

X tent pegs.

X canvas.

### Film 1

- 1-3. *D. nigripes*, display Laysan 4/11/23
4. *P. nativitatis* paired "
5. General view looking South.
6. *D. immutabilis*.

### Film 2

1. *P. cuneatus* "
2. *a. siersta* "
- 3-4 Blue-faced Booby.
5. Turnstone on salt lagoon.
6. *Numenius* feeding on decayed albatross egg.

### Film 3

- 1-6 Wedge-tailed Shearwater, pairs, nesting burrow, asleep, & then together at Laysan 4/12/23

### Film 4

1. East ~~West~~ beach 4/12/23
2. Breeding ground of *Sterna lunata*
- 3-4 *D. nigripes* colony.
5. Bridget's brick
6. *P. nigripes* colony.

### Film 5.

1. East Shore Laysan 4/12
2. *Numenius tahitensis*
- 3.
4. *D. nigripes* colony.
5. Wedge-tailed Shearwaters
6. 2 negative birds

Film 6

1-3 + *Camp. bayldoni* 4/12

4-6 *Sterna bullata* Laysan 4/13.

Film 7

3-6 Seal Ocean dd. 4/16

Film 8

1. Seal Ocean dd. 4/16

2-3 camp .. 4/19

4-6 seal .. "

Film 9

1-6 seal Ocean dd. 4/19

Film 10

1-3 seal Ocean dd. 4/19

5 *D. nigripes* 4 eggs .. 4/20

6 seal .. "

Film 11

1-2 seal Ocean dd. 4/20

3. " " " " "

4 *D. nigripes* "

5 East side Ocean dd. "

6 *Zonotrichia* dug by Seal 12

1-3 Ocean dd. 4/20

4 *S. sandv.* .. "

5 Plant with buried woody stem ..

6 *Scaevola* "

13

1. *D. nigripes* Ocean dd 4/20

2-3 *P. rubra* " "

4-6 Ocean dd. " 4/21

14

1-5 Ocean dd. 4/21

6. *D. nigripes* Juvenile " Ocean dd. 4/21

15-16

midway " 4/23-24/23

17

S.E. dd. Pearl & Hermes 4/26/23

Film 18

middle island Pearl & Hermes 4/27/23

gg. *P. cuneatus*

Film 19

Seal dd

4/28/23

Film 20

1. Curlew hunting tern eggs Laysan 5/2

2-6 Bulwer's Petrels

Film 21

1. Beach Laysan 5/2/23

2. bones in sand

3. Phaeton

4-6 Frigates

Film 22

1-6 *D. nigripes*, yg. asleep, resting in nest, adult with yg. Laysan 5/3/23

Film 23

1-6. *D. nigripes* feeding Young Laysan 5/3/23

Film 24

1-2 Whn 5/3

3 Laysan alb. 5/4

4-6 Fregata "

Film 25

1-2 surf. 5/3

3 *D. nigripes*

4-6 Gygis

Film 26

1-5 Gygis, albatross etc. Laysan 5/3

6. Seal 5/4

Film 27

1-2 P. cinnatus 5/5

3-5 *D. nigripes* downy

Film 28

1-3 *Megalopterus* Laysan 5/9

4. Fregata eating squid

Film 29.

*Sula pectoralis*, Laysan Finch . 5/10/23

Film 30

Female Shearwater egg etc 5/10/23

Film 31

3 Laysan alb. 5/10/23

Film 32

Laysan alb. 5/10/23

Film 33

Noddies, Blow-hole, Megalopterus,  
Wedge-tail, Laysan Albatross  
Laysan 5/13/23.

Film 34

Visian sky, wedge-tail, Laysan alt,  
5/18/23

Film 35

Visian sky, "turtl", grass plot  
5/18/23

Film 36

Grass plot, S. cyanocephala 5/18/23

Film 37

grass plot, S. cyanocephala yg. nigriceps 5/18/23

Film 38

Sooty tern, Frigate bird 5/18/23

Film 39

Frigate bird on nest + yg. S. fuscata on  
nest + nest + egg. pair S. cyanocephala  
S. leucogastra. yg. S. leucata. 5/18/23

Film 40

noddy nest. Old Shack. 5/19

Film 41

D. immutabilis. P. nativitatis. 5/19

Film 42

noddy nest with pignard. flats -  
coast. 5/19.

Film 43

Sula leucogaster nest, coast, rockis.

Film 44

Turtles, turtle shell ♀ (Eines) 5/19

Film 45

Turtle shell ♂ (Grants) camp.

Kisianaky 5/19/23

Film 46

Gardiner ab. 5/22/23

Film 47

Gardiner ab. "

Film 48

Gardiner ab. "

Film 49

Nihoa 5/24/23

Film 50

Tantalus 6/6/23

Film 51

1-3 Tantalus 6/5 6/6/23

4-6 Bishop Mts. 6/7/23.

Film 52 Nihoa 6/11/23

1-3 Landing

4-6 Adams Bay

53 Nihoa 6/11

1. S. leucogaster yg.

2-3 S. pacator

4-6 Palms

54 Nikoa 6/11/23

1-6 platforms & palms.

55 Nikoa 6/11/23

1-6. 3 miles, platforms, palms

56. Nikoa 6/11/23

1-6 various

57 Nikoa 6/12/23

1. Egg of P. curvirostris

2. " " Bulweria

3. palms

4. Noddy

5-6 Frigate

58 Nikoa 6/12/23

1-5 scenery \*

6. Noddy.

Film 59. Nikoa 6/12/23

1-6 misc.

Film 60 Nikoa 6/12/23

1-2 camp.

3-4 Procellaria saxatilis

5. " " 6/13/23 "

6. pali.

Film 61 Nikoa 6/13/23

2-6. slopes.

62 Nikoa 6/13/23

1-6 scenery, Frigata, stones in old house.

Books.

Reid, Geo. H. Last Cruise of the  
Saginaw. Houghton, Mifflin, 1912  
(Ocean Island.)

Film 63 Nihoa 6/13  
3-5 Procellaria

6. Jap. Camp. 6/14  
Film 64 Nihoa 6/14

1-2 Xmas do Shearwater

3. yg. S. fuscata

4. sooty flat

5-6 Noddy from Miller's Peak.

Film 65 Nihoa 6/14

1-6 yg. Xmas do Shearwater, Procellaria  
sarratilis.

Film 66 Necto 6/17

7-8. Banding etc.

Film 67 Necto 6/18

1-6 Heians

Film 68 do

1-6 yg. gray back, albatross etc.

Film 69 do

1. Heian

2. Bulweria egg

3. sooty

4-6 yg. gray back.

Film 70 do

1-5 yg. Sooty tern, Heian, etc.

Film 71 Necto

1-3 Camp 6/18

4-6 S. pectoralis, Frigate

Film 72 Nectar 6/19  
 1-6 Heian on second film  
 Film 73 do.  
 1-6 Heian - *D. immutabilis*  
 Film 74 do  
 1-6 Heian, yg. *S. leucogastra* etc.  
 Film 75 Nectar 6/20  
 1-6 gygis Film 76 do  
 1-6 Heians, *D. magnipus*.  
 Film 77 do  
 1-6 Tropic. Bird, *Bulweria Petrel*.  
 Film 78  
 1-6 yg Sooty etc. do.  
 Film 79 Nectar 6/21

56  
 Film 80  
 1-6 Nectar 6/22  
 Film 81 F.J.S. 6/23  
 1-3 King Island  
 4-6 Round Island  
 Film 82 King dd. 6/23  
 1-6 yg noddy, yg Tropic Bird  
 Film 83  
 1-6 camp. noddies do.  
 Film 84  
 1-6 Noddies do.

Film 85 King dd. 6/23/23

1-6 Noddy albatross

Film 86

1-2 Shearwaters King dd. Flash., 10 ft. 25 ft. 6/23

3-4 Anderson & turtle gin dd. 6/24

5-6 gin island "

Film 87

1. gin island. 6/24

2-6 Little gin island "

Film 88 Tern dd. 6/25

1-4 drumbacking, dd camp.

5-6 gg Sooty Tern.

Film 89 do

1-5 Sooty tern

6. Blond noddy.

Film 90

1-3 Shalk dd 6/25

4 Sooty tern. Tern dd. 6/26

5 Noddy "

6. Anderson with mo.

Film 91 Tern dd 6/26

1-6 camp etc.

Film 92.

1-3 Tern island. 6/26.

4-6 Terns. Tern dd.

Film 93  $\frac{6}{26}$

1-2 SKate dd

3 whale dd.

do

Film 94

1-5 whale dd.  $\frac{6}{26}$

6. Boobies. " Film dd.

Film 95

1-6 La Perouse Rock  $\frac{6}{27}$

Film 96

1-6. Mackerel dd.  $\frac{6}{29/23}$ .

97-98

Kauka  $\frac{7}{1/23}$

99

Johnston  $\frac{7}{11/23}$

Rock ledge. 1 yg Bulweria

, 100 gomatos  $\frac{7}{12/23}$

3 rugate. 6d, yg Laysan abb., S. pacific and  
 $\frac{10}{1}$   $\frac{7}{12}$

Sooty tern

102

Johnston  $\frac{7}{1/23}$

103

do

104

do

105

1-4 Flashlights  $\frac{7}{12}$

5-6 bird bones  $\frac{7}{13}$

106. Johnston  $\frac{7}{13}$   
 1-6. Frigate-birds, eroded rocks, rocky nest  
 107  
 1-5 Noddies etc.  
 6 ael.  $\frac{7}{14}$ .  
 108  
 1. crowd at camp  $\frac{7}{14}$   
 2. Johnston dd. from Sand dd.  $\frac{7}{15}$   
 3. brach. Johnston:  
 5-6 yg. *P. nativitatis*  
 109.  $\frac{7}{15}$   
 1-2 Sand dd.  
 3. To shore inward slope of back strata.  
 4-5 Shore  
 6. guano rock.  
 110  $\frac{7}{15}$   
 1-4  
 5-6 Johnston  $\frac{7}{16}$   
 111 Johnston  $\frac{7}{16}$   
 1-4 Sula leuco.  
 5-6 Noddy  $\frac{7}{16}$   $\frac{7}{16}$   
 112 " do "  
 1-6 Noddies  $\frac{7}{16}$   
 113 do.  
 1-6. Frigate-bird, Tropic-bird  
 114  
 Johnston dd.  $\frac{7}{19/23}$ .

115  
Johnston dd. 7/20  
Wah. dd. 7/27

116  
Wah. dd. 7/27  
" 7/30 Peale dd.

117  
Wah. dd. 7/30 ..

118 ..

d.  
119  
Wah. dd. N. shore Peale dd. 7/30

120  
Wah. dd. Peale dd. 7/30

121  
Wah. wills dd 7/31

122  
Shrine + do.

123  
Wah. Wade dd. 8/1  
Black ledge, blubtr, Townsontia

124 do  
eastern Point etc.

125  
lagoon side Wah. do.

126 Wake dd 8/2

11. Side Wake.

127

1-5 N. side Wake, camp etc. 8/2

6. S. side Wake 8/3

128 Wake 8/3

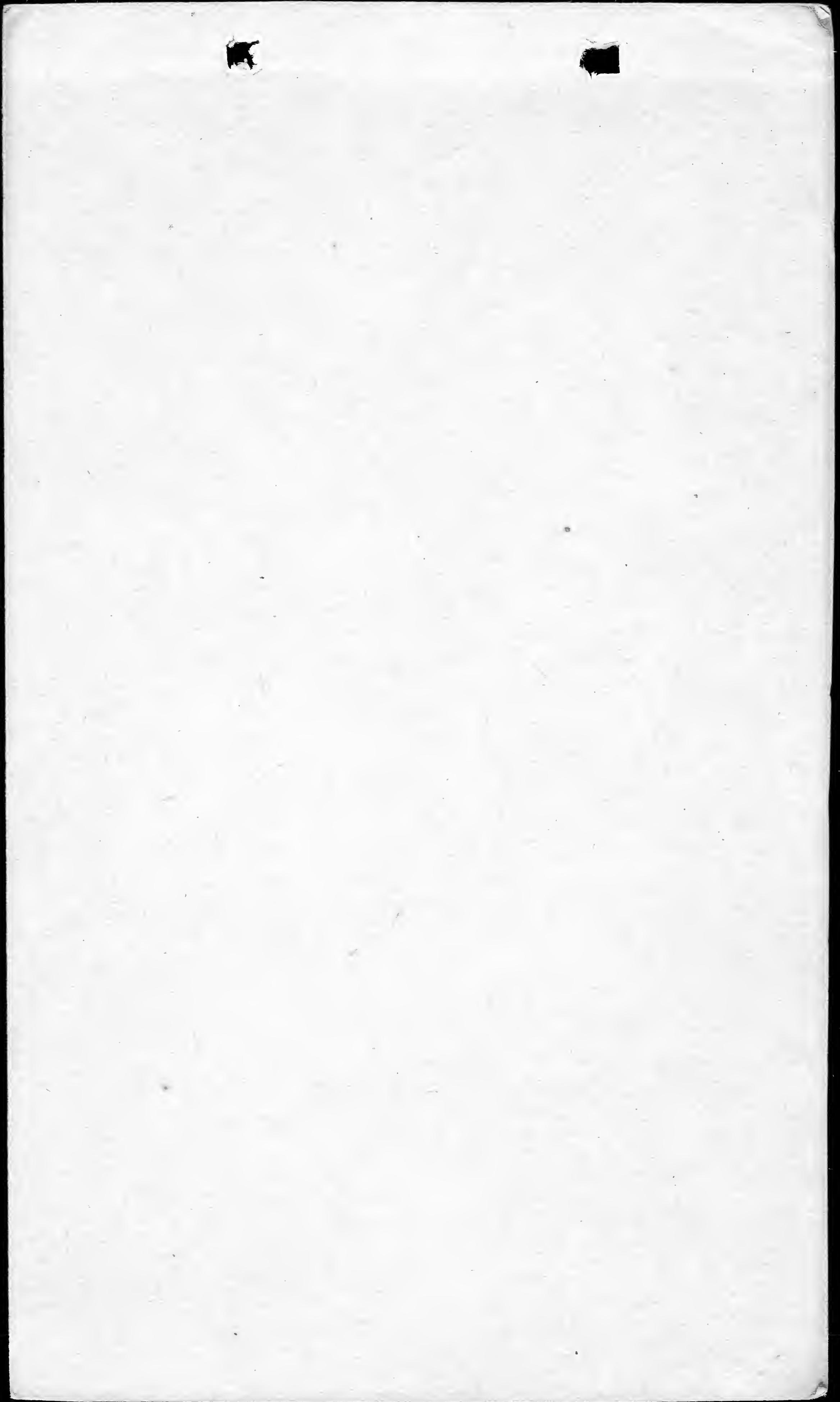
1-6. Sesuvium

129

1-6 Wake 8/3

130

1-6 Wake 8/3 8/4



P. T. Blagg. 901 Alpha Photo Engs. Co.  
Howard & Fayette Sts., Baltimore, Md.  
W. G. Wetmore, Box 331, Maricopa, Ariz.  
J. W. Scobell, 9, Nat. Mus.  
Geo. A. Simmons 207 Penn. Av. S. E.  
Henry Barlow, 3100 16<sup>th</sup> St., N.W.  
Edwin O. Hesler, 9, Nat. City Bank, Ba. As.  
Chas. L. Tagan, A.O.U., Box 58, Parkway, N.J.  
Alfred Bailey ) Colo. Museum  
R. Niedrach ) Denver, Colo.  
R. B. Rockwell 512 Calif. Bldg. Denver, Colo.  
S. E. Parker 9<sup>302</sup> Railroad Bldg. Denver.  
J. E. Law, 2370 Altadena Driv, Altadena, Calif.  
Judge Wise, Hilo, Hawaii (from game fish)  
W. Milton Jarrow, 715 M. St., West Palm Beach, Fla.  
D. R. Dickey 514 Hester Ave., Pasadena  
Wm. S. Fraser, 90 Commercial Pacific Cable Co.,  
Honolulu, T. H.  
~~David~~ <sup>title</sup> Ihaanum, box 2214, Honolulu, T. H.  
Wm. Anderson, 9, Radio Corporation of America, Honolulu  
Orme Cheatham, Kapaau, Hawaii  
Mrs. John Knupper, 3453 Elliott St., Kona Portal  
San Diego Co.  
Eric Schlesinger 1160 Gabriel Av. Honolulu  
Geo. D. Higgs, U.S.S. Hancock, Pearl Harbor.

• • Promises.

G. W. C. Atkinson, Room 601, Stangenwald  
Bldg, Honolulu wants a copy of Fisher's  
Report on Birds.

C. S. Judd, Box 3199, Honolulu  
and him a copy of Bull. 326.

Dr. M. Cooke, 70 Bishop Mason photo of  
Nikoa Idg. 52-1, 2, 3; 61-6; 63-2.

\* Prof. H. S. Palmer, Univ. of Hawaii,  
Honolulu, T. H., set of fossil sharks'  
teeth from Calvert M.ocene.

Send *Thaumia* tigana and  
*ampullaria* from Fla.

Some birds for Cheatum.

Pictures to

John B. Carroll, U.S.S. *Tanager*, Pearl Harbor

E. J. Heil

R. J. Forsyth

J. Horton

Call officer in charge Information  
Section, <sup>Naval</sup> Operations, Navy Dept and  
ask if they care to see photos from  
expedition.

Publications on Birds for  
H. M. Whitney, G. C. Brown & Co, Honolulu

Name of paragon to Cassin.

\* Papers for Dickie.

Miles says that he has placed  
duplicates of ~~Leop~~ Moore's book material  
from Honolulu birds in Stanford and that

for you may give Nat Mus. info.  
Dickie does not have eggs of  
Wedge-tail Shearwater, Noddy  
Bulwer petrel.

X A.B. Howell wants copy of temp.  
paper

X Law wants small insect  
not ring & hand.

X Ask Barnett if he can stretch  
possum skin 3 inches for marvel.

Send Harry Harris a copy of

X Henshaw's Bds of Hawaiian Islands.

X and a set of my papers. He wishes

X to join Biol. Soc. Wash. and will  
probably wish membership to receive

Proceedings for current year.

Burke wants following N.A. Fauna

3, 7, 15, 19, 20, 21, 23, 25,

Martin wants me to tell Hay  
about his large Bison larger than  
occidentalis. Holson a little bennettian  
Also wants to be remembered to  
Springer crinoid man in Nat Mus.

X Chai wants my S.A. mammals  
sent to Osgood if no one else is  
working on them.

Photos wanted

Thaannum	Palmer	Cheatman
66-2	96a-5	81-6
66-6	97-6	86-6
68-2	96b-5	90-5
72-3	96b-6	93-4
74-5		94-2
76-4		94-6
76-5		97-1
76-6		97-2
80-4		97-4
80-6		98-1
80a-6		98-2
82-2		96b-6
82-3		109-4
82-5		129-5
86-6		129-4
88-5		
90-5		
91-1		
91-3		
93-4		
94-3		
94-6		
96a-2		
96a-3		
96a-4		

Express  
To Biol. Survey.  
Box film  
2 alc. tanks  
2 field charts

To Nat. Z. P.  
1 bx crabs

To N.Y. Aquarium  
1 bx crabs.

To gilchrist  
1 tent.

# The American Museum of Natural History

Central Park West at 79th Street New York, New York 10024 (212) 873-1300

Murphy



## DEPARTMENT OF ORNITHOLOGY

Oct. 29, 1974

Dear Dr. Wetmore,

The attached sheets turned up in Dr. Murphy's files. I'm returning them to you to deal with as you see fit. They seemed to me to be an original catalogue of specimens and perhaps quite valuable.

Best regards,  
Mary deCroz

Cat. nos. 7588-7887 on the sheets

refer to Q.W. field catalog for 1923  
of Specimens collected in Hawaii, in Hawaii

Cat. no. 245904

215184-245984 do not form U.S. Nat. Mus. Catalog.

It possibly

UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF BIOLOGICAL SURVEY

Name and P. O. Address of Sender,

STOMACH BLANK—FOR THE REGISTRATION OF DATA CONCERNING STOMACHS, GIZZARDS, CROPS, GULLETS, INTESTINES, PELLETS, AND DROPPINGS SENT TO THE DEPARTMENT

U. S. GOVERNMENT PRINTING OFFICE 8-9707

BIOLOGICAL SURVEY NO. (Leave Vacant)	COLLECTOR'S NO.	NAME OF ANIMAL	SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS
✓ 245904	Tag # 45	<i>Fulmarus glacialis</i> ♂		7/24/37		David Nutt	Melville Bay, Greenland	at sea.	(Lot #6a)
✓ 215184	24	<i>Puffinus obscurus</i> -		5/21/06	7AM	E. W. Gifford	5 mi. se. Duncan, Galapagos Ids.		
✓ 215166	6	" <i>o. subalaris</i> -		4/28/06	-	"	Off s. Albemarle, "	"	
✓ 215174	14	" " "		5/19/06	-	"	10 mi. s Charles,	"	
✓ 215177	17	" " "		4/24/06	7AM	"	Off s.w. Albemarle,	"	
✓ 215175	15	" <i>p. chlororhynchos</i> -		10/8/06	-	"	14° 40' N, 109° 26' W.		
✓ 215160	2	<i>Pterodroma p. phaeopygia</i> -		5/19/06	-	"	10 mi. s Charles, Galapagos Ids.		
✓ 215182	22	" " "		5/9/06	3PM	"	2° 23' S, 90° 03' W.		
✓ 215192	32	" " "		5/8/06	2PM	"	2° 29' S, 90° 04' W.		
✓ 215190	30	" <i>c. defilippiana</i> -		11/14/06	-	"	33° 7' N, 134° 06' W.		
✓ 215168	8	" " "		11/19/06	-	"	35° N, 134° 14' W.		
✓ 215189	29	" <i>l. brevipes</i> -		6/11/06	-	R. H. Beck	4° 20' S, 93° 30' W.		
✓ 215172	12	<i>Oceanodroma leucorhoa</i> -		11/19/06	-	R. H. Beck	35° 40' N, 133° 4' W.		
✓ 215169	9	" <i>castro</i> -		5/8/06	2PM	E. W. Gifford	2° 29' S, 90° 04' W.		
✓ 215188	28	" " "		5/9/06	3PM	"	2° 23' S, 90° 03' W.		
✓ 215178	18	<i>Procellaria tethys</i> -		4/24/06	7AM	"	Off s.w. Albemarle, Galapagos Ids.		
✓ 215176	16	" " "		5/7/06	7AM	"	2° 48' S, 90° 05' W.		
✓ 215187	27	" " "		5/8/06	2PM	"	2° 29' S, 90° 04' W.		
✓ 215165	5	" " "		5/9/06	3PM	"	2° 23' S, 90° 03' W.		
✓ 215179	19	" " "		5/11/06	7AM	"	S. of Galapagos Ids.		
✓ 215173	13	" " "		6/18/06	-	R. H. Beck	2° 48' S, 91° 20' W.		
✓ 215191	31	" <i>parkmani</i> -		6/18/06	-	"	" "		
✓ 215170	10	" " "		5/4/06	4PM	"	15 mi. s.w. Charles, Galapagos Ids.		
✓ 215180	20	<i>Oceanites gracilis galapagoensis</i> -		4/28/06	-	E. W. Gifford	Off s. Albemarle, "	"	
✓ 215171	"	<i>Fregetta grallaria</i> -		6/11/06	-	R. H. Beck	4° 20' S, 93° 30' W.		

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U. S. GOVERNMENT PRINTING OFFICE		8-9707		STOMACH BLANK—FOR THE REGISTRATION OF DATA CONCERNING STOMACHS, GIZZARDS, CROPS, GULLETS, INTESTINES, PELLETS, AND DROPPINGS SENT TO THE DEPARTMENT						
BIOLOGICAL SURVEY NO. (LEAVE VACANT)	COLLECTOR'S NO.	NAME OF ANIMAL		SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS
246069	641	Diomedea nigripes		M	5-26-41		Ralph H. Imler	Alaska, Baranof Is. Cape Ommaney		
215883	49	Diomedea albatrus		M	7-31-37		O. J. Murie	2 mi. off Ulak Id., Alaska		
215181	21	Diomedea immutabilis			11-2-37	6:00PM	E. W. Gifford	26°51'N. 126° 52'W.		
211627	3626	Puffinus sp.		F	9-3-36		O. J. Murie	Kodiak, Alaska		
221940	3706	" "		"	6-26-37		V. E. Scheffer	Little Sitkin Id. Alaska		
215862	28	Puffinus tenuirostris		M	6-30-37		O. J. Murie	Rat Id. Alaska		
221970	3736	" "		M	8-26-37		"	East Unalga Id., Alaska		
221979	3745	" "		F	9-4-37		"	Uniniak Id., Alaska		
221980	3746	" "		M	9-4-37		"	Uniniak Id., Alaska		
221981	3747	" "		F	9-4-37		"	Uniniak Id., Alaska		
221982	3748	" "		M	9-4-37		"	Uniniak Id., Alaska		
221983	3749	" "		M	9-4-37		"	" "		
221984	3750	" "		M	9-4-37		"	" "		
221985	3751	" "		F	9-4-37		"	Uniniak Id., Alaska		
231581	H&G 17	" "		F	7-22-40		I. N. Gabrielson	Uniniak Pass, Alaska		
231582	H&G 18	" "		F	"		"	" " "		
231583	H&G 19	" "		F	"		"	" " "		
231584	H&G 20	" "		F	"		"	" " "		
246938	8	" "		F	6-11-37		H. P. Gray	Alaska (Aleutians)	Agattu Island	
201843	7862	Puffinus griseus		M	8-24-34	A. E. S. G. Jewett	Off Depoe Bay, Oregon	Open Ocean		
202635	9722	" "		♂	8-3-35		Rosaline R. Walker	Netarts, Oregon		
202636	9723	" "		"	8-3-35		"	" "		
202637	9724	" "		"	"		"	" "		
202638	9725	" "		♀	"		"	" "		
202639	9726	" "		"	"		"	" "		
202643	9730	" "		♂	8-6-35		"	Tillamook, Oregon		
202644	9731	" "		"	8-6-35		"	" "		
215183	23	" "			11-19-37		E. W. Gifford	35° 40'N. 133° 14'W.		

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U. S. GOVERNMENT PRINTING OFFICE 8-9707

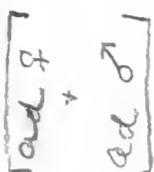
8-9707

BIOLOGICAL SURVEY NO. (LEAVE VACANT)	COLLECTOR'S NO.	NAME OF ANIMAL	SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS
232342	6923	<i>Puffinus griseus</i>	♀	5-23-40	11:60AM	R. H. Beck	Monte Bay, California	- 1 mile off shore	
232343	6924	" "	♂	"	"	"	"	"	
232344	6925	" "	♂	"	"	"	"	"	
232345	6926	" "	♂	"	"	"	"	"	
232346	6927	" "	♀	"	"	"	"	"	
232347	6928	" "	♂	"	"	"	"	"	
232348	6929	" "	♂	"	"	"	"	"	
232349	6930	" "	♀	"	"	"	"	"	
232350	6931	" "	♂	"	"	"	"	"	
233997		<i>Puffinus creatopus</i>		9-19-40		Stanley G. Jewett	Depoe Bay, Oregon	Open Ocean	
245852	171	<i>Puffinus gravis</i>	♂	8-24-39		D. C. Nutt	Just off the coast of South East Greenland, Lat. 61°N.		
245853	171	" "	♂	"		"	"	"	
245880	2a	" "	♂	7-9-37	Tag #20	David Nutt	At Sea Lat. 52° 47'N, Long. 55° W.		
245881	2b	" "	♂	7-9-37	Tag #21	"	"	"	
215185	25	<i>Pterodroma inexpectata</i>		11-19-37		E. W. Gifford Peter E. Stencel c/o A. C. Gross	35° 40'N., 133° 14'W.		
219534	1355	<i>Fulmarus glacialis</i>	♀	7-24-37	3:00PM		Lady Job Harbor, Labrador	Mouth of Bay	
219535	1357	" "	♂	7-25-37		"	"	"	
219536	1358	" "	♂	"		"	"	"	
219537	1359	" "	"	7-25-37		"	"	"	
219538	1360	" "	♀	"		"	"	"	
219539	1361	" "	♀	"		"	"	"	
219540	1362	" "	♂	"		"	"	"	
219541	1363	" "	♀	7-25-37		"	"	"	
219542	1364	" "	"	"		"	"	"	
219546	1368	" "	♂	7-26-37	2:00PM	"	"	"	
219547	1369	" "	"	"	"	"	"	"	
219548	1370	" "	"	"	"	"	"	"	
219549	1371	" "	"	"	"	"	"	"	
219550	1372	" "	"	"	"	"	"	"	
219551	1373	" "	♀	"	"	"	"	"	

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BIOLOGICAL SURVEY NO. (LEAVE VACANT)	COLLECTOR'S NO.	NAME OF ANIMAL	SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS	U. S. GOVERNMENT PRINTING OFFICE 8-9707
										8-9707
245805	13	<i>Fulmarus glacialis</i>	Ad♀	7-17-39		J. K. Howard	Denmark Strait, Lat. 64°N., Long. 33° 30'W.			
245806	13	" "	"	"		" " "	" " " " " " " " "	" " " " " " " " "		
245807	14	" "		"		D. C. Nutt	" " " " " " " " "	" " " " " " " " "		
245808	14	" "		"		" " "	" " " " " " " " "	" " " " " " " " "		
245811	18	" "	Ad♂	7-18-39		J. K. Howard	Denmark Strait			
245816	21	" "		7-19-39		" " "	" " "	Lat. 66°N., Long. 30°W.		
245900	4a	" "	♀	7-14-37	Tag # 36	David Nutt	55° 10' N. Lat. 58° 22' W. Long.			
245901	4b	" "	♂	7-24-37	Tag. 43	" "	Melville Bay, Greenland			
197966	9139	<i>Fulmarus g. rodgersi</i>	♂	1-4-33		Rosaline R. Walker	Netarts, Oregon			
202641	9728	" " "	♀	6-3-35		" " "	" " "			
211566	3565	" " "	"	6-14-36		C. J. Murie	Aleutians Alaska			
211567	3566	" " "	♂	6-15-36		" " "	Charulak Id, "	" " "		
211568	3567	" " "	"	"		" " "	" " " " "	" " " " "		
215136	26	" " "		11-19-37		E. W. Gifford	35° 40' N., 133° 14' W.			
221933	3699	<i>Fulmarus g. rodgersi</i>	♂	6-23-37		O. J. Murie	Secula Id. Alaska			
199398	9289	<i>Oceanodroma furcata</i>	♂ Juv.	7-10-33		Rosaline R. Walker	Netarts, Oregon			
199410	9301	" " "	♂	"		" " "	" " "			
202621	9705	" " "	♀	7-17-35		" " "	" " "		Parrott hook	
211474	184	" " "	♂	7-23-36		C. S. Williams	Attu Is. Aleutian Ids. Alaska			
211490	201	" " "	♀	8-26-36		" " "	Unga	" " "		
211565	3564	" " "	♂	6-14-36		O. J. Murie	Yunaska Id, Aleutians, Alaska			
211571	3570	" " "	"	6-16-36		" " "	Amukta Id., Aleutians, Alaska			
211613	3612	" " "	"	8-6-36		" " "	Garelo Island, Aleutians, Alaska			
211614	3613	" " "	♀	"		" " "	" " "	" " "		
211617	3616	" " "	"	8-25-36		" " "	Unga, Alaska			
211618	3617	" " "	♂ im	"		" " "	" " "			
215841	7	" " "	♀	6-8-37		" " "	Attu Id. Alaska			
221906	3672	" " "	♂	6-8-37		" " "	" " "			
221961	3727	" " "	♀	"		" " "	Igikin Id, Alaska			

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BIOLOGICAL SURVEY NO. (LEAVE VACANT)	COLLECTOR'S NO.	NAME OF ANIMAL	SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS
231367	1664	Oceanodroma furcata	♂	6-25-40		I. N. Gabrielson	Amutka Island, Alaska		
237550	B59	" "	"	6-24-41		Frank Dufresne	Tanara Isl. Alaska		
221905	3671	Oceanodroma leucorhoa	♀	6-6-37		O. J. Murie	Attu Id. Alaska		
221913	3679	" "	♂	6-18-37		" " "	Buldir Id. Alaska		
221914	3680	" "	♀	6-18-37		" " "	" " "		
221915	3681	" "	♂	"		" " "	" " "		
224975	73	" "		8-31-37		John H. Steenis	Off Snake Id. Alaska		
237551	B60	" "	♀	7-28-41		Frank Dufresne	Amchitka Is. Alaska		
215842	8	Oceanodroma l. leucorhoa	♂	6-8-37		O. J. Murie	Attu Id. Alaska		
221935	3701	" " "		" 6-24-37 nestling		" " "	Davidof Id., Alaska		
195834		Oceanodroma l. beali	♀	7-7-30		R. A. Cumming	Queen Charlotte Is, B. C.		
199399	9290	" " "	♂	7-10-33		Rosaline H. Walker	Netarts, Oregon		
199400	9291	" " "		" "		" "	"		
199401	9292	" " "		" "		" "	"		
199402	9293	" " "		" "		" "	"		
199403	9294	" " "		" "		" "	"		
199404	9295	" " "		" "		" "	"		
199405	9296	" " "		" "		" "	"		
199406	9297	" " "		" "		" "	"		
199407	9298	" " "	♀	"		" "	"		
199408	9299	" " "		" "		" "	"		
199409	9300	" " "		" "		" "	"		
199411	9302	" " "	♂	7-13-33		" "	Pacific City, Oregon	Haystack Rock	
199412	9303	" " "	♂	"		" "	" " "		
199413	9304	" " "		" "		" "	" " "		
199414	9305	" " "		" "		" "	" " "		
199415	9306	" " "	♀	"		" "	" " "		
199416	9307	" " "		" "		" "	" " "		
199417	9308	" " "		" "		" "	" " "		

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U. S. GOVERNMENT PRINTING OFFICE 8-9707		NAME OF ANIMAL	SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS
BIOLOGICAL SURVEY NO. (LEAVE VACANT)	COLLECTOR'S NO.								
199418	9309	Oceanodroma l. beali	♀	7-13-33		Rosaline H. Walker	Pacific City, Oregon		
199423	9315	" " "	♂	8-8-33		" " "	" " "		
199424	9316	" " "	♂ Juv	"		" " "	" " "		
202622	9706	" " "	♂	7-17-35		" " "	Netarts, Oregon	Parrot Rock	
202623	9707	" " "	"	"		" " "	"	"	
202624	9708	" " "	"	"		" " "	"	"	
202625	9709	" " "	♀	"		" " "	"	"	
202626	9710	" " "	"	"		" " "	"	"	
202627	9711	" " "	"	"		" " "	"	"	
202628	9712	" " "	"	"		" " "	"	"	
202629	9713	" " "	"	"		" " "	"	"	
202630	9714	" " "	"	"		" " "	"	"	
215167	7	Stercorarius pomarinus		11-14-37		E. W. Gifford	33° 7'N., 134° 6'W.		
237851	89	" " "	♂	8-8-40		Capt. Robert A. Bartlett	Smith Bay, Ellesmere Land, Greenland		
211427	137	Stercorarius parasiticus	♀	5-27-36		C. S. Williams	Ugashik River flats, Alaskan Peninsula, Alaska		
211582	3581	" " "	♂	6-29-36		O. J. Parrie	Kanaga Id. Aleutians Alaska		
211603	3602	" " "	♀	7-26-36		" " "	Buldir Id. Aleutians, Alaska		
211605	3604	" " "	♂	7-31-36		" " "	" " "	"	
211606	3605	" " "	♀	"		" " "	" " "	"	
211607	3606	" " "	♂	"		" " "	" " "	"	
211610	3609	" " "	♂	8-4-36		" " "	Karakia Island, Aleutians, Alaska		
221917	3683	" " "	"	6-18-37		" " "	Buldir Id., Alaska		
221918	3684	" " "	"	"		" " "	" " "		
221919	3685	" " "	"	"		" " "	" " "		
221920	3686	" " "	♀	"		" " "	" " "		
221921	3687	" " "	♂	"		" " "	" " "		
221922	3688	" " "	♀	"		" " "	" " "		
221929	3695	" " "	♀	6-23-37		" " "	Segula Id., Alaska		
224927	20	" " "	♂	6-18-37		John H. Steenis	Buldir Id., Alaska		

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BIOLOGICAL SURVEY NO. (LEAVE VACANT)	COLLECTOR'S NO.	NAME OF ANIMAL	SEX	DATE	HOUR	COLLECTOR	LOCALITY	CHARACTER OF PLACE WHERE KILLED	REMARKS
231251	1546	Stercorarius parasiticus	♂	6-10-40		I. N. Gabrielson	Copper River Flats, Alaska		
231254	1549	" "	♀	"		" "	" " " "		
231290	1587	" "	♂	6-17-40		" "	Larsen's Bay, Kodiak Island, Alaska		
231505	1805	" "	♂yg	7-23-40		" "	Kvichack River, Alaska		
245809	15	" "	ad♀	7-17-39		J. K. Howard	Denmark Strait, Lat. 64°N., Long. 33° 30'W.		
245810	15	" "	ad♀	"		" "	" " " " " " "		
245812	19	" "		"		D. C. Nutt	" " " " " " "		
245813	19	" "		"		" "	" " " " " " "		
245948	68	" "	♀	8-12-37		David Nutt	Melville Bay, N. W. Greenland		
202250	A 63	Stercorarius longicaudus		7-34		I. W. Parnell	Ponds Inlet, Can. (Bacchus)		
231461	1759	" "	♂yg	7-9-40		I. N. Gabrielson	St. Matthews Id., Alaska		
235969	"	" "	♂	7-14-41		C. E. Gillham	Chevak, Alaska		
235970	"	" "	juv.	"		" "	" "		
235971	"	" "		7-14-41		" "	" "		
235972	"	" "		7-10-41		" "	" "		
235973	"	" "	♂	"		" "	" "		
237850	87	" "	♂	8-8-40		Capt. Robert A. Bartlett	Kane Basin Greenland		
246722	"	" "		8-6-37		David Nutt	Ulrik's Bay, N. W. Greenland		
246723	"	" "		" "		" "	" " " "		
246724	"	" "	♀	"		" "	" " " " "		
246828	99	" "		8-8-39		D. C. Nutt	E. Greenland, Ice Pack, Koldemey Islands		
246829	99	" "		"		" "	" " " "		
245944	68	Catharacta skua	♀	8-12-37		David Nutt	Melville Bay, N. W. Greenland		

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BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
✓ 6777		<i>Puffinus cuneatus</i>	♂ ad.	1923 April 9		A. Wetmore	Hawaii	Layang Island	
✓ 8		"	♂ ad.	"					
✓ 6781		<i>Tregata erinaceus</i>	♀	April 10					
✓ 2		"	?	"					
✓ 3		"	♂ ad.	"					
✓ 4		"	♀	"					
✓ 5		"	♂	"					
✓ 6		<i>Phaethon tahitiensis</i>	♀	"					
✓ 7		"	?	"					
✓ 8		<i>Anous stolidus pileatus</i>	♂ ad.	"					
✓ 9		"	♂ ad.	"					
✓ 6793		<i>Teleosyza cantans</i>	?	"					
✓ 3		<i>Diomedea immutabilis</i>	♂ ad.	April 11					
✓ 4		"	"	"					
✓ 5		"	"	"					
✓ 6		"	♂ ad.	"					
✓ 7		<i>Fregata minor</i>	"	"					
✓ 9		<i>Phaethon tahitiensis</i>	♂	"					
✓ 6800		"	♀	"					
✓ 1		<i>Puffinus nativitatis</i>	♂ ad.	"					
✓ 2		"	"	"					
✓ 3		"	♂ ad.	"					
✓ 4		"	♀ ad.	"					
✓ 5		"	"	"					
✓ 6		"	"	"					
✓ 7		"	"	"					
✓ 8		"	♂ ad.	"					
✓ 9		"	♀ ad.	"					
✓ 6810		<i>Sterna lunata</i>	"	"					
✓ 11		"	"	"					

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				1923					
	6812	<i>Sterna lunata</i>	♂ad.	April 11		A. Wetmore	Haypan Island, Hawaii		
	3		"						
	4	<i>Puffinus cuneatus</i>	"						
	6	"	♂ad.						
	7	"	♂ad.						
	8	"	♂ad.						
	9	"	♂ad.						
(See 6820 to 6829 on page 30)	6820		"						
	1		"						
	2	<i>Arenaria interpres ochruensis</i> ♂		April 12					
	3	"	"						
	4	"	"						
	5	<i>Pluvialis dominica fulva</i>	"						
	6	<i>Sterna fuscata</i>	♂ad.						
	7	"	"						
	8	"	"						
	9	"	♂ad.						
	6830		"						
	1	<i>Puffinus cuneatus</i>	"						
	2	"	♂ad.						
	3	<i>Dionaeaa nigripes</i>	"						
	4	"	"						
	5	"	"						
	6	<i>Megalopterus hawaiiensis</i>	♂ad.	April 13					
	7	"	"						
	8	"	"						
	9	"	"						
	6840		"						
	1	<i>Sterna lunata</i>	♂ad.						
	2	"	"						

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6	✓ 6844	<i>Sterna lunata</i>	♂ ad.	1923 April 13		A. Wetmore	Laysan Island, Hawaii		
	✓ 5	" "	"						
	✓ 6	" "	♂ ad.						
	✓ 7	" "	"						
	✓ 8	" "	"						
	✓ 9	" "	"						
	✓ 6850	<i>Anous stolidus fibatus</i>	♂ "						
	✓ 1	" "	"						
	✓ 2	" "	"						
	✓ 3	" "	♀ ad.						
	✓ 4	" "	♂ ad.						
	✓ 6860	<i>Pluvialis dominica fulva</i>	♂						
	✓ 1	<i>Arenaria interpres oahuensis</i>	"						
	✓ 2	<i>Sula leucogaster</i>	♂ ad.						
	✓ 3	" "	"						
	✓ 4	" "	"						
	✓ 5	" "	"						
	✓ 6	" "	"						
	✓ 7	" "	♀ ad.						
	✓ 8	" "	"						
	✓ 9	" "	"						
	✓ 6870	<i>Pterodroma hypoleuca</i>	♂						
	✓ 3	" "	"						
	✓ 4	" "	♀						
	✓ 5	" "	♂						
	✓ 6	" "	"						
	✓ 7	" "	"						
	✓ 8	" "	"						
	✓ 9	" "	"						
	✓ 6882	<i>Fregata minor</i>	♀ ad.	April 19					

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				1923					
5	6883	<i>Heteractitis incana</i>	♀	April 19		A. Wetmore	Ocean Island, Hawaii		
4		<i>Crocethia alba</i>	♂	"					
5	5	<i>Megalopterus hawaiiensis</i>	♂ad	April 20					
6	6	<i>Sterna lunata</i>	"						
7	7	<i>Anous stolidus fulvatus</i>	"						
8	8	<i>Phaethon rubricaudus</i>	♀ad.						
9	9		"						
6890	1	<i>Sula fuscata</i>	"						
2	2		"						
3	3		"						
4	4		"						
6	6	<i>Pterodroma hypoleuca</i>	♂						
7	7		"						
8	8		"						
9	9		"						
6900	1		"						
2	2		"						
4	4	<i>Aestrelata neglecta</i>	♂						
3	3	<i>Puffinus cuneatus</i>	♂ad.						
6	6		"						
7	7		"						
8	8		"						
9	9	<i>Sula fuscata</i>	"						
6910	6	<i>Phaethon tahitiensis</i>	♂						
7	7	<i>Sula cyanoptera</i>	♂ad.						
8	8	<i>Fregata minor</i>	♂ad.						
9	9	<i>Diomedea nigripes</i>	♀ad.						
6920	10	<i>Diomedea immutabilis</i>	♂ad.						

~~See 6900-6909 page 20, Cat.~~  
See 6900-6909. Page 30. Cat.

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				1923					
m	1 (692)	<i>Diomedea immutabilis</i>	♀ ad	April 21		A. Wetmore	Ocean Island, Hawaii		
	2	<i>Phaethon rubricauda</i>							
m	3	<i>Pterodroma hypoleuca</i>	♀	April 22					
m	4	<i>Pterodroma hypoleuca</i>	♂ ad.	April 23			Midway Islands, Hawaii		
m	5	<i>Pterodroma hypoleuca</i>	"						
m	6	<i>Pterodroma hypoleuca</i>	"						
m	7	<i>Pterodroma hypoleuca</i>	"						
m	8	<i>Pterodroma hypoleuca</i>	"						
m	9	<i>Pterodroma hypoleuca</i>	"						
m	10 (693)	<i>Telepitta cantans</i>	♂ ad.						
m	11	<i>Telepitta cantans</i>	♂ ad.						
m	12	<i>Telepitta cantans</i>	"						
m	13	<i>Telepitta cantans</i>	"						
m	14	<i>Telepitta cantans</i>	"						
m	15	<i>Telepitta cantans</i>	"						
m	16	<i>Telepitta cantans</i>	"						
m	17	<i>Telepitta cantans</i>	"						
m	18	<i>Telepitta cantans</i>	"						
m	19	<i>Telepitta cantans</i>	"						
m	20 (694)	<i>Megalopterus hawaiiensis</i>							
m	21	<i>Anous stolidus fulvus</i>							
m	22	<i>Sterna lunata</i>							
m	23	<i>Sterna fuscata</i>							
m	24	<i>Phaethon tahitiensis</i>	♀						
m	25 (695)	<i>Serinus serinus canarius</i>	♂ ad.	April 24					Canaries have introduced here.
m	26	<i>Pterodroma hypoleuca</i>	"						
m	27	<i>Pluvialis d. fulva</i>	♂ ad.						
m	28	<i>Arenaria i. oahuensis</i>	"						
m	29 (695)	<i>Sargamala palmeri</i>	♂ ad.						
m	30	<i>Diomedea nigripes</i>	"						
m	31	<i>Diomedea immutabilis</i>	♂ ad.						
m	32 (696)	<i>Diomedea immutabilis</i>	"						
m	33	<i>Heteractis incanus</i>	"						

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									GOVERNMENT PRINTING OFFICE
✓✓	6968	<i>Oceanaria i. oahuensis</i>	♂	1923 April 26		A. Wetmore	Pearl and Hermes Rg, Hawaii		
✓✓	6969	<i>Sterna lunata</i>	♂ad.						
✓✓	6970	"	"						
✓✓	1	<i>Sterna fuscata</i>	"						
✓✓	2	"	"						
✓✓	4	<i>Anous stolidus fibatus</i>	"						
✓✓	5	<i>Phaethon lepturus</i>	"						
✓✓	6	<i>Phaethon rubricaudus</i>	♀ad.						
✓✓	7	<i>Diomedea immutabilis</i>	♂ad.						
✓✓	8	<i>Fregata minor palmarum</i>	"						
✓✓	9	<i>Sula cyanoptera</i>	♀ad.						
✓✓	6980	<i>Sula leucogaster</i>	"						
✓✓	1	<i>Sula dactylatra</i>	"						
✓✓	2	<i>Puffinus cuneatus</i>	"						
✓✓	3	<i>Diomedea nigripes</i>	♂ad.	April 27					
✓✓	4	<i>Phaethon rubricaudus</i>	♀ad.						
✓✓	5	<i>Megalopterus newmanni</i>	♂ad.						
✓✓	6	"	"						
✓✓	7	<i>Pterodroma hypoleuca</i>	♀ad.						
✓✓	8	<i>Sterna lunata</i>	♂ad.						
✓✓	9	<i>Diomedea nigripes</i>	"						
✓✓	6990	<i>Fregata minor</i>	♀ad.						
✓✓	7006	<i>Phaethon lepturus</i>	♂	April 30					
✓✓	7	<i>Puffinus cuneatus</i>	♀ad	May 1					
✓✓	8	"	♂ad						
✓✓	7011	<i>Seabirds</i> <i>cantans</i>	"						
✓✓	2	"	♀ad						
✓✓	7018	<i>Bulweria bulwerii</i>	♂ad.	May 2					
✓✓	9	"	♀ad.						
✓✓	7020	"	"						

UNITED STATES DEPARTMENT OF AGRICULTURE,  
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Name and P. O. Address of Sender,

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STOMACH BLANK—FOR THE REGISTRATION OF DATA CONCERNING STOMACHS, GIZZARDS, CROPS, AND GULLETS SENT TO THE DEPARTMENT.

GOVERNMENT PRINTING OFFICE

BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
m	✓✓ 7021	<i>Bulweria bulweri</i>	♂ ad.	1923 May 2		A. Wetmore	Laysan Island, Hawaii		
m	✓✓ 3	"	♀ ad.						
m	✓✓ 6	"	♂ ad.						
m	✓✓ 7031	<i>Fregata minor</i>	"						
m	✓✓ 2	"	"						
m	✓✓ 3	<i>Diomedea nigripes</i>	"	May 3					
m	✓✓ 4	"	"						
m	✓✓ 5	"	"						
m	✓✓ 6	"	"						
m	✓✓ 7	"	"						
m	✓✓ 8	"	"						
m	✓✓ 9	<i>Phaethon rubricaudus</i>	♂ ad.						
m	✓✓ 7040	"	"						
m	✓✓ 1	"	"						
m	✓✓ 2	<i>Sterna lunata</i>	"						
m	✓✓ 5	"	"						
m	✓✓ 6	<i>Gygis alba Kittlitz</i>	"						
m	✓✓ 7	<i>Bulweria bulweri</i>	♂ ad.						
m	✓✓ 8	"	♂ ad.						
m	✓✓ 7051	<i>Gygis alba Kittlitz</i>	"	May 4					
m	✓✓ 2	<i>Bulweria bulweri</i>	"						
m	✓✓ 3	<i>Sterna fuscata</i>	"						
m	✓✓ 4	<i>Sula fuscata</i>	♂ imm.						
m	✓✓ 5	<i>Sula cyanoptera</i>	♂ ad.						
m	✓✓ 6	"	"						
m	✓✓ 7	<i>Fregata minor</i>	♀ imm.						
m	✓✓ 8	"	"						
m	✓✓ 9	"	"						
m	✓✓ 7060	"	♀ imm.						
m	✓✓ 1	"	♀ imm.						

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m	✓ 7062	<i>Diomedea nigripes</i>	♀	1923 May 4		A. Wetmore	Laysan Island, Hawaii		
m	✓ 3	<i>Phaethon rubricaudus</i>	♂ ad.	" "					
m	✓ 4	<i>Diomedea nigripes</i>	"	May 5					
m	✓ 5	"	"	"					
m	✓ 6	"	"	"					
m	✓ 7	"	"	"					
m	✓ 8	"	"	"					
m	✓ 9	<i>Sula cyanoptera</i>	"	"					
m	✓ 7070	"	"	"					
m	✓ 1	<i>Sula pectoralis</i>	♂	"					
m	✓ 2	<i>Phaethon rubricaudus</i>	♂ ad.	"					
m	✓ 3	"	"	"					
m	✓ 4	<i>Gygis alba Kittlitzii</i>	"	"					
m	✓ 5	"	"	"					
m	✓ 6	<i>Telespyza cantans</i>	"	"					
m	✓ 7	"	"	"					
m	✓ 8	<i>Phaethon rubricaudus</i>	"	"					
m	✓ 9	<i>Sula pectoralis</i>	♂	May 6					
m	✓ 1080	"	2						
m	✓ 2	<i>Diomedea nigripes</i>	♂ ad.						
m	✓ 4	"	"						
m	✓ 5	<i>Gygis alba Kittlitzii</i>	♂ ad.						
m	✓ 6	<i>Telespyza cantans</i>	"						
m	✓ 1092	<i>Diomedea immutabilis</i>	"						
m	✓ 3	"	♂ ad.						
m	✓ 4	<i>Pluvialis dominica fulva</i>	♂						
m	✓ 5	<i>Pterodroma hypoleuca</i>	♀						
m	✓ 6	<i>Puffinus cuniculus</i>	♂ ad.						
m	✓ 8	<i>Anas laysanensis</i>	♂ ad.						
m	✓ 9	"	"						
m	✓ 7102	"	"	May 7					

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m	✓	7103	Puffinus nativitatis	♂ ad.	1923 May 7	A. Wetmore	Laysan Island, Hawaii		
m	✓	4	"						
m	✓	6	Bulweria bulweri	♂ ad.					
m	✓	7	"	"					
m	✓	8	Sula cyanoptera	♀ ad.					
mo	✓	9	Telopsitta cantans	"					
m	✓	7119	Sula pectoralis	♂ ad.	"				
m	✓	7120	"	"					
m	✓	1	"	"					
mo	✓	2	Gygis alba Kittlitzii	"					
mo	✓	3	"	"					
mo	✓	4	Telopsitta cantans	"					
mo	✓	5	"	"					
m	✓	6	Puffinus cuneatus	♂ ad.	May 8				
m	✓	7	"	♂ ad.					
m	✓	8	Puffinus nativitatis	"					
m	✓	9	"	"					
m	✓	7130	"	"					
m	✓	1	Puffinus cuneatus	♀ ad.					
m	✓	2	Diomedea nigripes	♂					
m	✓	3	"	♂ ad.	May 9				
m	✓	5	"	♀ juv.					
m	✓	6	Diomedea immutabilis	♂ ad.	"				
m	✓	7	Phaethon rubricaudus	♂ ad.					
m	✓	8	"	♂ ad.					
m	✓	9	Bulweria bulweri	"					
m	✓	7141	"	"					
m	✓	3	Sula pectoralis	♂ ad.					
m	✓	4	Sula cyanoptera	"					
m	✓	5	"	"					

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✓✓	7146	<i>Sula cyanoptera</i>	♀ad.	1923 May 9					
✓✓	8	<i>Anous stolidus pileatus</i>	♂ad.	..					
✓✓	9	" "		"					
✓✓	7150	" "		"					
✓✓	1	<i>Sterna fuscata</i>	♀ad.						
✓✓	3	" "	♂ad.						
✓✓	4	" "	♀ad.						
✓✓	5	<i>Sterna lunata</i>		"					
✓✓	6	" "	♂ad.						
✓✓	7	" "		"					
✓✓	8	" "		"					
✓✓	9	<i>Megalopterus hawaiiensis</i>		"					
✓✓	7160	" "		"					
✓✓	1	" "	♀ad.						
✓✓	2	<i>Gygis alba Kittlitzii</i>	♂ad.						
✓✓	3	" "	♂ad.						
✓✓	4	<i>Terathopius ecaudatus</i>	♀	May 10					
✓✓	5	" "	♀ad.						
✓✓	6	<i>Gygis alba Kittlitzii</i>	♂ad.						
✓✓	7	<i>Sula fuscata</i>	♀ad.						
✓✓	8	" "	♂ad.						
✓✓	7170	<i>Diomedea immutabilis</i>	♀yg.	May 11					
✓✓	1	<i>Puffinus nativitatis</i>	♂ad.	May 11					
✓✓	2	" "	♀ad.						
✓✓	4	" "	♂						
✓✓	5	" "							
✓✓	6	" "							
✓✓	7	" "							
✓✓	8	<i>Phaethon lepturus</i>							
✓✓	7182	<i>Phaethon rubricaudus</i>	♂ad.						

Dr. A. Wetmore, <sup>1</sup>  
Hawaii

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✓✓	7183	<i>Phaethon rubricaudus</i>	♂ ad	1923					
✓✓	4	"	♀ ad	May 11					
✓✓	5	<i>Puffinus cuneatus</i>							
✓✓	6	<i>Sula cyanoptera</i>							
✓✓	7	"							
✓✓	8	<i>Megalopterus hawaiiensis</i>		May 12					30 hours old.
✓✓	9	"							
✓✓	7190	<i>ygrio alba</i> Kittlitz							
✓✓	1	"							
✓✓	2	<i>Telepyzza cantans</i>							
✓✓	3	"							
✓✓	4	"							
✓✓	5	<i>Sterna lunata</i>							
✓✓	6	<i>Sterna fuscata</i>							
✓✓	7	"							
✓✓	8	"							
✓✓	7204	<i>Sula fuscata</i>		May 13					
✓✓	7207	<i>Sterna lunata</i>	F. ♀	May 16					
✓✓	8	<i>Heteractitis incana</i>	♀ ad.						
✓✓	9	<i>Sula leucogaster</i>	♂						
✓✓	7211	<i>Puffinus cuneatus</i>	♀ ad.						
✓✓	2	"							
✓✓	3	"							
✓✓	7215	<i>Bulweria bulweri</i>	♀ ad.	May 17					
✓✓	6	"							
✓✓	7	<i>Puffinus cuneatus</i>	♂ ad.						
✓✓	8	"							
✓✓	9	<i>Phaethon rubricaudus</i>	"						
✓✓	7220	<i>Diomedea immutabilis</i>	♀ ad.						
✓✓	1	"	♂ ad.						

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				1923					
	7222	<i>Diomedea nigripes</i>	♂ ad.	May 17					
	3	<i>Anous stolidus filamentosus</i>	"						
	4	<i>Megalopterus hawaiiensis</i>	"						
	5	<i>Puffinus nativitatis</i>	"						
	6	<i>Fregata minor</i>	♂ ad.						
	7	<i>Sula cyanoptera</i>	♀ imm.						
	8	<i>Puffinus nativitatis</i>	♂ ad.						
	9	<i>Bulweria bulweri</i>	"						
	7231	"	"						
	2		"						
	3	<i>Pterodroma hypoleuca</i>	♂						
	4	"	♀						
	6	"	♂						
	7	"	♀						
	8	<i>Sterna lunata</i>	♂ ad.						
	9	<i>Anous stolidus filamentosus</i>	♂ ad.						
	7245	<i>Sterna lunata</i>	"	May 18					
	6	"	"						
	7	<i>Sula cyanoptera</i>	"						
	8	"	"						
	9	<i>Diomedea nigripes</i>	"						
	7250	<i>Fregata minor</i>	"						
	3	<i>Diomedea nigripes</i>	♂	May 19					
	4	<i>Sula fuscata</i>	"						
	5	"	"						
	6	<i>Sula leucogaster</i>	"						
	9	<i>Puffinus cinnatus</i>	"						
	7260	"	"						
	1		"						
	3	<i>Megalopterus hawaiiensis</i>	♂						

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1	7264	<i>Hebrachitis incana</i>	♀	1923 May 19		A. Wetmore	Hawaiian Islands, Hawaii		
2	5	<i>Sterna fuscata</i>	♂						
3	6	"	Pub						
4	7	<i>Phaethon tahitiensis</i>	♀						
5	8	<i>Dionaeia immutabilis</i>	♂						
6	7270	<i>Sula cyanoptera</i>	Pub	May 22			Gardner Island, Hawaii		
7	1	"	"						
8	2	<i>Fregata minor</i>	"						
9	3	<i>Phaethon rubricauda</i>	"						
10	4	"							
11	5	"							
12	6	<i>Puffinus cuneatus</i>							
13	7	<i>Anous stolidus pileatus</i>							
14	8	<i>Megalopterus hawaiiensis</i>							
15	9	"							
16	7280	<i>Sterna fuscata</i>							
17	1	"							
18	2	"							
19	3	<i>Sterna lunata</i>							
20	4	"							
21	5	<i>Gygis alba kittlitzii</i>							
22	6	"							
23	7	<i>Procelsterna sasatilis</i>							
24	8	"							
25	9	"							
26	7290	<i>Arenaria interpres oahuensis</i>	♂						
27	1	"							
28	2	<i>Sterna lunata</i>							
29	3	<i>Munia nigriceps</i>							
30	4	<i>Chasiempis gayi</i>							
				May 31			Paloa Valley, Oahu, T.H.		

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7295	7295	<i>Chasiempis gayi</i>	♂	1923 May 31		A. Wetmore	Paloa Valley, Oahu, T. H.		
8		<i>Trocholopteron canorum</i>		"					
7300	7300	<i>Acridotheres tristis</i>	♀im.	June 5			Mt. Janatus, Oahu, T. H.		
1	1	<i>Trocholopteron canorum</i>	♂ad.						
2	2			"					
5	5	<i>Telosyyza ultima</i>	♀ad.	June 11			Nihoa Island, Hawaii		
6	6		♂ad.						
9	9		♀im.						
7310	7310		♀ad.						
1	1		♂im.						
2	2		"						
3	3		"						
4	4		"						
5	5	<i>Conopoderae</i> sp. nov.	♀im.						
7	7		♂im.						
8	8		♂ad.						
9	9	<i>Bulweria bulweri</i>	♀ad.						
7320	7320	<i>Puffinus censatus</i>	"						
1	1		"						
2	2	<i>Phaethon rubricaudus</i>	♂ad.						
3	3	<i>Conopoderae</i> sp. nov.	♀ad.	June 12					
5	5	<i>Sterna fuscata</i>	♀ig.						
6	6	<i>Telosyyza ultima</i>	♂im.						
7	7		♂ag.						
8	8		♂un.						
9	9		"						
7330	7330		♀im.						
1	1		♀ad.						
2	2		"						
3	3		"						

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7334	7334	<i>Telosphenza ultima</i>	♂ ad.	1923 June 12		A. Wetmore	Nihoa Island, Hawaii		
5		"	♀ imm.						
6		"	♂ imm.						
7		"	♂ ad.						
9		"	♀ ygg.						
7340	7340	<i>Procelsterna saxatilis</i>	♂						
7343	7343		"						
4	4		"						
6	6		"						
7	7		♀						
9	9		♀						
7350	7350		♂ ad.						
1	1		♂						
2	2		♀						
3	3		♂						
5	5	<i>Anous stolidus pileatus</i>	♀ ad.						
6	6	"							
7	7	<i>Sterna lunata</i>	♂ ad.						
9	9	<i>Bulweria bulweri</i>	"						
7360	7360	<i>Phaethon rubricaudus</i>	"						
1	1	<i>Sula ducata</i>	"						
3	3	<i>Procelsterna saxatilis</i>	♀						
4	4	<i>Diomedea nigripes</i>	♂						
5	5	<i>Puffinus nativitatis</i>	♂ ad.						
6	6	"	♀ ad.						
7	7	<i>Conopoderae</i> sp. nov.	♂ ad.	June 13					
8	8	"	♂ imm.						
9	9	"	♀ imm.						
7370	7370	"	♂ imm.						
1	1	"	♂ ad.						

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				1923					
7372	1	<i>Conoproceras</i> sp. nov.	♀im.	June 13		A. Wetmore	Nihoa Island, Hawaii		
3	2	"	♂im.						
4	3	<i>Telospyzus ultima</i>	♂ad.						
5	4		"						
6	5		♂im.						
7	6		"						
8	7		♀im.						
9	8		♂im.						
7380	9		♂ad.						
1	10		"						
4	11	<i>Zygio alba</i> Kittlitz	"						
7	12	<i>Sterna fuscata</i>	"						
8	13	<i>Puffinus cuneatus</i>	"						
9	14	<i>Sula cyanoptera</i>	"						
7390	15	"	♂ad.						
2	16	<i>Conoproceras</i> sp. nov.	♀im.	June 14					
3	17	"	"						
4	18	"	♂ad.						
5	19	"	♂im.						
6	20	<i>Telospyzus ultima</i>	♀ad.						
7	21	"	♂im.						
8	22	"	♀im.						
9	23	"	♂im.						
7400	24	"	"						
1	25	"	"						
2	26	"	♀im.						
3	27	"	♂ad.						
4	28	"	♂im.						
5	29	"	"						
6	30	<i>Procelsterna</i> saratensis	♀						

UNITED STATES DEPARTMENT OF AGRICULTURE,  
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Name and P. O. Address of Sender,

A. Wetmore

STOMACH BLANK—FOR THE REGISTRATION OF DATA CONCERNING STOMACHS, GIZZARDS, CROPS, AND GULLETS SENT TO THE DEPARTMENT.

GOVERNMENT PRINTING OFFICE									
BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
7407	7407	<i>Procelsterna saxatilis</i>	♂	1923 June 14		A. Wetmore	Nihoa Island, Hawaii		
	8	"	"						
	7410	"	"						
	1								
	2	<i>Puffinus nativitatis</i>	♂ ad.						
	3	"	Egg						
	4	<i>Sula leucogaster</i>	♂						
	5	<i>Fregata minor</i>	♂ ad.						
	6	"	♀ ad.						
	7	<i>Telespiza ultima</i>	♂ ad.						
	7422	<i>Conopophaga</i> sp. nov.	♂ ad.	June 15					
	3	<i>Telespiza ultima</i>	"						
	4		"						
	5		♂ ad.						
	6		♀ imm.						
	7		♂ imm.						
	8		♀ imm.						
	9		"						
	7430		♂ imm.						
	1		♀ imm.						
	2		♂ imm.						
	3		"						
	4	<i>Sula leucogaster</i>	♂ ad.						
	5	<i>Procelsterna saxatilis</i>	Egg.						
	6		♂						
	7		"						
	8		♀						
	9		♂						
	7440		♀						
	1		♂						

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BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
1	7442	Procelsterna <del>baratilis</del>	♂	1923 June 15		A. Wetmore	Nihoa Island, Hawaii		
2	3	"	♀	"					
3	4	"	♂	"					
4	5	"	♂	"					
5	7447	Bulweria bulweri	♂ ad.						
6	8	Sterna lunata							
7	9	Sterna fuscata	♀ ad.						
8	7451	Phaethon rubricaudus	♀						
9	3	Procelsterna <del>baratilis</del>	♂						
10	3	Phaethon rubricaudus	♀ ad.	June 17			Necker Island, Hawaii		
11	4	"	"	"					
12	6	Dionaeia immutabilis	♂ ad.	June 18					
13	7	"	"						
14	8	"	♀ ad.						
15	9	"	"						
16	7460	Fregata minor	♂						
17	1	"	♀						
18	2	Sula cyanoptera	♂ ad.						
19	3	Puffinus cuneatus	♂ ad.						
20	4	"	♀ ad.						
21	5	Anous stolidus pleatus	"						
22	6	Sterna fuscata	♂ ad.						
23	7	"	♀ ad.						
24	8	"	♂ gg.						
25	9	"	"						
26	7470	Sterna lunata	♀ ad.						
27	1	"	♂ ad.						
28	2	"	♀ gg.						
29	3	Bulweria bulweri	♀ ad.						
30	4	"	"						

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BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
no ✓✓	7475	<i>Gygis alba</i> Kittlitz <i>Sula pectoralis</i>	♂ad.	June 18		A. Wetmore	Necker Island, Hawaii		
no ✓✓	6		♂ad.	June 19					
no ✓✓	7	"	"						
no ✓✓	9	<i>Sula cyanoptera</i>	"						
no ✓✓	7480	<i>Sula leucogaster</i>	♂ad						
no ✓✓	2	<i>Procelsterna saxatilis</i>	♂						
no ✓✓	3		♀						
no ✓✓	4		"						
no ✓✓	5		♂						
no ✓✓	6		♀						
no ✓✓	7		♂						
no ✓✓	8		♀						
no ✓✓	9		"						
no ✓✓	7490		♂						
no ✓✓	1		♀						
no ✓✓	2		"						
no ✓✓	3		"						
no ✓✓	5	<i>Megalopterus hawaiiensis</i>	♂ad.						
no ✓✓	6		"						
no ✓✓	7	<i>Anous stolidus</i> pileatus	♂ad.						
no ✓✓	8	<i>Gygis alba</i> Kittlitz	♂ad.						
no ✓✓	9	"	♀yg.						
no ✓✓	7500	<i>Arenaria interpres</i> oahuensis	♂	June 20					
no ✓✓	1	<i>Pluvialis dominica</i> fulva	♀						
no ✓✓	2	<i>Sterna lunata</i>	♂						
no ✓✓	3	"	♂im.						
no ✓✓	4	<i>Sterna fuscata</i>	♂ad.						
no ✓✓	5	<i>Megalopterus hawaiiensis</i>	♂ad.						
no ✓✓	6	<i>Sula leucogaster</i>	"						
no ✓✓	9	<i>Procelsterna saxatilis</i>	♀						

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BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	7510	<i>Procelsterna saxatilis</i>	♂	1923 June 20		A. Wetmore	Necker Island, Hawaii		
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	1		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	2		♀ ad.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	3		♂						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	4		♀						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	5		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	6		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	7		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	8		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	7520	<i>Puffinus cuneatus</i>	" ad.	June 22			French Frigates Shoal, Hawaii		
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	1		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	2		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	3		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	4		♂ ad.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	5	<i>Megalopterus hawaiiensis</i>	"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	6	<i>Anous stolidus pileatus</i>	" ad.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	7	<i>Phaethon trituberculatus</i>	"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	8		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	9	<i>Sula leucogaster</i>	" ad.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	7530	<i>Diomedea nigripes</i>	"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	1	<i>Arenaria interpres oahuensis</i>	"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	2	<i>Anous stolidus pileatus</i>	♀ yg.	June 23					
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	3		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	4		♂ yg.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	5		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	6		♂ ad.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	7		"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	8	<i>Phaethon rubricaudus</i>	"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	9	<i>Sula cyanoptera</i>	"						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	754	<i>Diomedea immutabilis</i>	♀ ad.						
no ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	3	<i>Sula pectoralis</i>	" -	June 24					

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BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
no	✓								
B-H	✓✓								
B-H	✓✓								
m	✓✓								
no	✓✓								
7545	1	<i>Anous stolidus pileatus</i>	♀gg.	1923 June 24			A. Wetmore	French Frigates Shoal, Hawaii	
	2	<i>Phaethon trituberculatus</i>		"					
	3	<i>Heteractitis incana</i>	♀	June 25					
	4	<i>Bulweria bulweri</i>	♂ad.						
	5	<i>Anous stolidus pileatus</i>	♀gg.						
	6	"	♂ad.						
	7								
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Dr. A. Wetmore, Hawaii  
7183 - 7587 = 405  
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Vol. XXIX

UNITED STATES DEPARTMENT OF AGRICULTURE,  
BUREAU OF BIOLOGICAL SURVEY.

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5-1	7588	<i>Heteractitis incanus</i>	♀	1923 June 26		A. Wetmore	French Frigate Shoal, Hawaii.		
	9	<i>Sturna lunata</i>	♂ ad.						
	7590	"		"					
	1	"	♀ gg.						
	2	<i>Anous stolidus fulleatus</i>	"						
	3	"	♂ gg.						
	4	"	"						
	5	<i>Procelsterna saxatilis</i>	♀	June 27					
	6	"	♂ ad.						
	7	"	"						
	8	<i>Gygis alba kittlitzii</i>	♂ ad.						
	9	"	♀ ad.						
	7601	<i>Bulweria bulweri</i>	♂ ad.						
	4	<i>Fregata minor</i>	♂ ad.	July 11			Johnston Island, Hawaii		
	5	"	"						
	6	"	"						
	7	"	"						
	8	"	♂ ad.						
	9	<i>Phaethon rubricaudus</i>	♀ ad.						
	7610	<i>Heteractitis incanus</i>	♀						
	2	<i>Bulweria bulweri</i>	♀ gg.						
	3	"	♂ gg.						
	4	<i>Sula cyanoptera</i>	♀ ad.						
	5	"	"						
	6	"	"						
	7	"	♂ ad.						
	8	"	♀ ad.						
	9	<i>Sula pectoralis</i>	♀						
	7620	"	"						
	1	"	"						

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✓✓	7623	<i>Sula pectoralis</i>	1923	July 11		A. Wetmore	Johnston Island, Hawaii		
✓✓	3	"	♀						
✓✓	5	"	♂						
✓✓	6	"	♀						
no	7	<i>Gygis alba kittlitzii</i>	Pub.						
no	8	"	Pub.						
no	9	"	Pub.						
✓✓	7631	<i>Sula cyanoptera</i>	Pub.	July 12					
✓✓	3	"	♀						
✓✓	4	"	Pub.						
✓✓	5	<i>Sula leucogaster</i>	Pub.						
✓✓	6	"	♀						
✓✓	7	"	Pub.						
✓✓	8	"	"						
✓✓	9	"	"						
✓✓	7646	<i>Fregata minor</i>	Pub.	July 13					
✓✓	7	"	"						
✓✓	8	"	"						
✓✓	7650	<i>Heteractitis incana</i>	♂						
✓✓	1	<i>Sterna lunata</i>	Pub.						
no	2	<i>Procelsterna saundersi</i>	"						
no	3	"	"						
✓✓	4	<i>Sula cyanoptera</i>	♀						
✓✓	7658	<i>Sula pectoralis</i>	♂						
✓✓	9	"	♀						
✓✓	7661	<i>Sula leucogaster</i>	"						
✓✓	3	<i>Puffinus cuneatus</i>	Pub.						
✓✓	4	"	♂						
no	5	<i>Gygis alba kittlitzii</i>	Pub.						
no	6	<i>Sterna lunata</i>	"						

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	7667	<i>Sterna lunata</i>	♂ ad.	1923 July 13					
	8	<i>Puffinus nativitatis</i>	♀ gg.	July 14					
	7670	<i>Sterna fuscata</i>	♂ ad.	July 15					
	1	"	"						
	2	"	♂ ad.						
	3	"	"						
	4	<i>Puffinus cuneatus</i>	"						
	5	"	"						
	6	<i>Puffinus nativitatis</i>	♂ ad.						
	7	"	♀ ad.						
	8	<i>Phaethon rubricaudus</i>	♂ ad.						
	9	<i>Arenaria interpres oahuensis</i>	♂						
	7680	<i>Pluvialis dominica fulva</i>	♀						
	3	<i>Anous stolidus filatus</i>	♂ ad.						
	4	"	♀ ad.						
	5	"	♂ ad.						
	6	"	"						
	7	"	♀ ad.						
	8	<i>Sterna fuscata</i>	♂ ad.						
	9	"	"						
	7691	"	♀ imm.						
	2	"	"						
	3	"	♀ imm.						
	4	"	♂ imm.						
	6	<i>Puffinus nativitatis</i>		July 16					
	8	"							
	9	"							
	7700	<i>Puffinus cuneatus</i>	♂ ad.						
	1	"	♀ ad.						
	2	<i>Zygias albicauda Kittlitzii</i>	♂ ad.						

Name and P. O. Address of Sender,

*A. Wetmore*

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1	7703	<i>Gygis alba kittlitzii</i>	♂ ad.	1923 July 16		A. Wetmore	Johnston Island, Hawaii		
2	4	<i>Calonectris fuliginosus</i>	♂ ad.						
3	5	"	♂ ad.						
4	6	"	♂ ad.						
5	7	"	♂ ad.						
6	8	"	♂ ad.						
7	9	"	♂ ad.						
8	10	"	♂ ad.						
9	11	"	♂ ad.						
10	12	"	♂ ad.						
11	13	"	♂ ad.						
12	14	"	♂ ad.						
13	15	"	♂ ad.						
14	16	"	♂ ad.						
15	17	"	♂ ad.						
16	18	"	♂ ad.						
17	19	"	♂ ad.						
18	20	"	♂ ad.						
19	21	<i>Puffinus carneatus</i>	♂ ad.	July 18					
20	22	"	♂ ad.						
21	23	<i>Puffinus nativitatis</i>	♂ ad.						
22	24	"	♂ ad.						
23	25	<i>Phaethon rubricaudus</i>	♂						
24	26	"	♂						
25	27	<i>Sula papa</i>	♂						
26	28	"	♂						
27	29	"	♂	July 28			Wake Island		
28	30	"	♀						
29	31	"	♂ ad.						
30	32	"	♀						
31	33	"	♂ ad.						
32	34	<i>Fregata minor</i>	♀						
33	35	"	♂ ad.						
34	36	<i>Hypothaemis watkinsii</i>	♂ ad.						
35	37	"	♀						
36	38	"	♂ ad.						
37	39	"	♀ ad.						
38	40	"	♂ ad.						
39	41	"	♀ ad.						
40	42	"	♂ ad.						
41	43	"	♀ ad.						
42	44	"	♂ ad.						
43	45	"	♀ ad.						
44	46	"	♂ ad.						
45	47	"	♀ ad.						
46	48	"	♂ ad.						
47	49	"	♀ ad.						
48	50	"	♂ ad.						
49	51	"	♀ ad.						
50	52	"	♂ ad.						
51	53	"	♀ ad.						
52	54	"	♂ ad.						
53	55	"	♀ ad.						
54	56	"	♂ ad.						
55	57	"	♀ ad.						
56	58	"	♂ ad.						
57	59	"	♀ ad.						
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59	61	"	♀ ad.						
60	62	"	♂ ad.						
61	63	"	♀ ad.						
62	64	"	♂ ad.						
63	65	"	♀ ad.						
64	66	"	♂ ad.						
65	67	"	♀ ad.						
66	68	"	♂ ad.						
67	69	"	♀ ad.						
68	70	"	♂ ad.						
69	71	"	♀ ad.						
70	72	"	♂ ad.						
71	73	"	♀ ad.						
72	74	"	♂ ad.						
73	75	"	♀ ad.						
74	76	"	♂ ad.						
75	77	"	♀ ad.						
76	78	"	♂ ad.						
77	79	"	♀ ad.						
78	80	"	♂ ad.						
79	81	"	♀ ad.						
80	82	"	♂ ad.						
81	83	"	♀ ad.						
82	84	"	♂ ad.						
83	85	"	♀ ad.						
84	86	"	♂ ad.						
85	87	"	♀ ad.						
86	88	"	♂ ad.						
87	89	"	♀ ad.						
88	90	"	♂ ad.						
89	91	"	♀ ad.						
90	92	"	♂ ad.						
91	93	"	♀ ad.						
92	94	"	♂ ad.						
93	95	"	♀ ad.						
94	96	"	♂ ad.						
95	97	"	♀ ad.						
96	98	"	♂ ad.						
97	99	"	♀ ad.						
98	100	"	♂ ad.						
99	101	"	♀ ad.						
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101	103	"	♀ ad.						
102	104	"	♂ ad.						
103	105	"	♀ ad.						
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109	111	"	♀ ad.						
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111	113	"	♀ ad.						
112	114	"	♂ ad.						
113	115	"	♀ ad.						
114	116	"	♂ ad.						
115	117	"	♀ ad.						
116	118	"	♂ ad.						
117	119	"	♀ ad.						
118	120	"	♂ ad.						
119	121	"	♀ ad.						
120	122	"	♂ ad.						
121	123	"	♀ ad.						
122	124	"	♂ ad.						
123	125	"	♀ ad.						
124	126	"	♂ ad.						
125	127	"	♀ ad.						
126	128	"	♂ ad.						
127	129	"	♀ ad.						
128	130	"	♂ ad.						

UNITED STATES DEPARTMENT OF AGRICULTURE,  
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GOVERNMENT PRINTING OFFICE									
BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.
1	7749	<i>Fregata minor</i>	♂	1923 July 29		A. Wetmore	Wake Island		
2	7750	"	♀						
3	1	<i>Sula leucogaster</i>	♂						
4	2	<i>S. terna</i> <i>fuscata</i>	ad.						
5	3	"							
6	4	"	ad.						
7	5	"							
8	7763	<i>Hypotaenidia wakensis</i>							
9	7770	<i>Phaethon rubricaudus</i>	0"	July 30					
10	1	<i>Puffinus cuneatus</i>	"						
11	2	"	"						
12	3	"	"						
13	4	"	"						
14	6	"	ad.						
15	8	<i>Puffinus nativitatis</i>	"						
16	9	<i>Pluvialis dominica fulva</i>	♀						
17	7780	"	"						
18	2	<i>Hypotaenidia wakensis</i>	ad.						
19	3	"	ad.						
20	4	"	"						
21	5	"	ad.						
22	6	"	"						
23	7	"	ad.						
24	8	"	ad.						
25	9	<i>Megalopterus hawaiiensis</i>	ad.	July 31					
26	7790	"	"						
27	1	<i>Anous stolidus fulvatus</i>	ad.						
28	2	"							
29	3	"							
30	4	"							

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7795	1	<i>Anous stolidus fulicatus</i>	♂ ad.	July 31 <sup>1923</sup>		A. Wetmore	Wake Island.		
	2	"	♂ ad.						
	3	<i>Sterna fuscata</i>	♂ ad.						
	4	"	♂ ad.						
7800	1	"	♀						
	2	<i>Sula piscator</i>	♂ ad.						
	3	<i>Sula leucogaster</i>	♂						
	4	<i>Fregata minor</i>	♂ ad.						
	5	<i>Sula leucogaster</i>	♂ ad.						
	6	"	♂ ad.						
	7	"	♀						
	8	<i>Phaethon tahitiensis</i>	♂ ad.						
	9	<i>Arenaria interpres ochracea</i>	♂						
7810	1	<i>Sterna lunata</i>	♂ ad.						
	2	"	♂ ad.						
	3	<i>Megalopterus hawaiiensis</i>	"						
	4	"	"						
	5	<i>Hypotaenidia wakensis</i>	"						
	6	"	"						
	7	"	"						
	8	"	"						
	9	"	"						
7820	1	"	"						
	2	"	"						
	3	"	"						
	4	"	"						
7830	1	<i>Hypotaenidia wakensis</i>	"	Aug. 2					
	2	"	"						
	3	"	"						
	4	"	"						

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BIOLOGICAL SURVEY NO. (LEAVE VACANT.)	COLLECTOR'S NO.	NAME OF BIRD.	SEX.	DATE.	HOUR.	COLLECTOR.	LOCALITY.	CHARACTER OF PLACE WHERE KILLED.	REMARKS.	
2	✓	7835 Hypothaemis wakaeis	♂ ad.	1923 Aug. 2		A. Wetmore	Wake Island.			
2	✓	7842 Sterna lunata	"							
2	✓	4 Phaethon tahitensis	"							
2	✓	5 Phaethon rubricaudus	"							
2	✓	6 Sula cyanoptera	♂							
2	✓	8 "	♀							
2	✓	7852 Hypothaemis wakaeis	♂ ad.	Aug. 3						
2	✓	3 "	"							
2	✓	5 "	"							
2	✓	6 "	"							
2	✓	7 "	"							
2	✓	8 "	"							
2	✓	9 "	"							
2	✓	7867 Gygis alba Kittlitzii	♂ ad.							
2	✓	1 "	♂							
2	✓	9 "	"							
2	✓	7871 Phaethon rubricaudus	♂ ad.							
2	✓	3 "	♂ ad.							
2	✓	4 "	♂ ad.							
2	✓	6 Gygis alba Kittlitzii	♂ ad.	Aug. 4						
2	✓	7 "	"							
2	✓	7881 Megalopterus hawaiiensis	♂ ad.							
2	✓	2 "	"							
2	✓	3 "	"							
2	✓	4 "	"							
2	✓	5 Sturna fuscata	"							
2	✓	6 "	"							
2	✓	7 "	"							
2	✓	7897	"							

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305	✓ 7409	<i>Procelsterna saxatilis</i>	♂	1923 June 14					
306	✓ 7494	<i>Heteractitis incanus</i>	..	" 19					
307	✓ 7507	<i>Procelsterna saxatilis</i>	♀	" 20					
308	✓ 7508		"	" "					
309	✓ 7540	<i>Fregata minor</i>	♀ ad.	" 23					
310	✓ 7556	<i>Sula fuscata</i>	♂ yg	" 25					
311	✓ 7580	"	♂ ad.	" 26					
312	✓ 7581		♀ yg	" "					
313	✓ 7624	<i>Sula piscator</i>	♀	July 11					
314	✓ 7633	<i>Sula cyanoptera</i>	♀ ad.	" 12					
315	✓ 7640	<i>Sula leucogaster</i>	♂ ad.	" "					
316	✓ 7643								
317	✓ 7669	<i>Puffinus nativitatis</i>	♀ yg	July 14					
318	✓ 7682	<i>Calonectris stolidus pileatus</i>	♂ ad.	" 15					
319	✓ 7690	<i>Sterna fuscata</i>	♀ im	" "					
320	✓ 7695	"	"	" "					
321	✓ 7697	<i>Puffinus nativitatis</i>	"	" 16					
322	✓ 7775	<i>Puffinus cuneatus</i>	♀ ad.	July 30					
323	✓ 7781	<i>Hypotaenidea wakensis</i>	"	" "					
324	✓ 7797	<i>Calonectris stolidus pileatus</i>	♂ ad.	" 31					
325	✓ 7817	<i>Hypotaenidea wakensis</i>	"	Aug. 1					
326	✓ 7847	<i>Sula cyanoptera</i>	"	" 2					
327	✓ 7854	<i>Hypotaenidea wakensis</i>	"	" 3					
328	✓ 7872	<i>Pterodroma rubricauda</i>	♀ ad.	" "					
329	✓ 7873	<i>Gygis alba Kittlitz</i>	"	" 4					

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				1923					
✓	6790	<i>Diomedea nigripes</i>	♀ad	April 10				Laysan Island, Hawaii	
✓	6798	<i>Fregata minor</i>	♂ad	" 11				"	
✓	6843	<i>Sterna lunata</i>	"	" 13					
✓	6973	<i>Anous stolidus pileatus</i>	"	" 26				Pearl and Hermes Is., Hawaii	
	6997	<i>Bulweria bulweri</i>	?	" 27					
✓	7014	<i>Heteractitis incanus</i>	♂	May 2				Laysan Island, Hawaii	
✓	7016	<i>Bulweria bulweri</i>	♀ad	" "					
✓	7017		"	" "					
	7025		♀ad	" "					
✓	7043	<i>Sterna lunata</i>	♂ad.	" 3					
✓	7044	<i>Gygis alba</i>	♀ad	" "					
✓	7081	<i>Diomedea nigripes</i>	♀ad.	" 6					
	7100	<i>Anas laysanensis</i>	♀ad	" "					
✓	7134	<i>Diomedea nigripes</i>	"	" 9					
	7140	<i>Bulweria bulweri</i>	♂ad.	" "					
✓	7151	<i>Sterna fuscata</i>	♀ad	" "					
✓	7169	<i>Sula fuscata</i>	♂ad.	1 " 10					
	7173	<i>Puffinus nativitatis</i>	♀ad	" 11					
✓	7210	<i>Puffinus cuneatus</i>	"	" 16					
✓	7230	<i>Bulweria bulweri</i>	"	" 17					
✓	7255	<i>Sula fuscata</i>	♂	" 19					
✓	7258	<i>Puffinus cuneatus</i>	?	" "					
✓	7296	<i>Chasiempis gayi</i>	?	" 31					
✓	7299	"	♂ad.	June 5					
	7334	<i>Telospyza ultima</i>	"	June 12					
✓	7348	<i>Procelsterna saxatilis</i>	♂	" "					
✓	7362	<i>Sula fuscata</i>	♂ad.	" "					
✓	7386	<i>Gygis alba</i>	"	" 13					
	7386	<i>Sterna fuscata</i>	"	" "					

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